

1990

1990 Modulus

Rose-Hulman Institute of Technology

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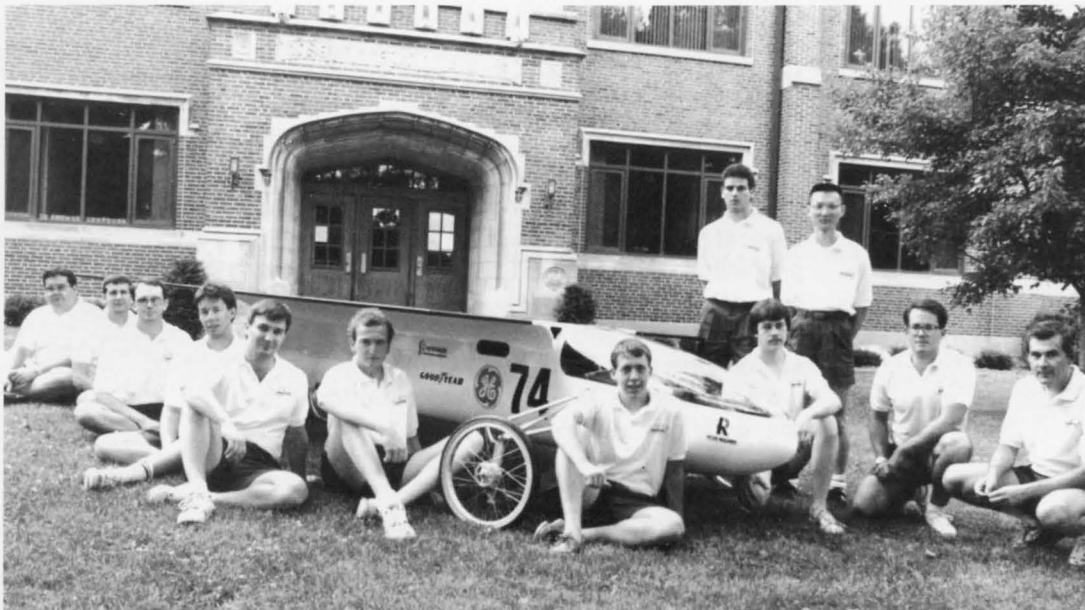
Racing into the '90s



Modulus 1990

MODULUS 1990

THE YEARBOOK OF ROSE-HULMAN INSTITUTE OF TECHNOLOGY



5500 WABASH AVENUE, TERRE HAUTE, INDIANA 47805

Dedication



On May 21, 1990, a significant era in the history of Rose-Hulman came to an end with the death of Herman Moench. An institution, Moench was considered the teacher's teacher and the engineer's engineer.

A 1929 graduate of Rose Poly, Moench served his alma mater for six decades as a teacher and administrator. Moench held several posts with the Institute. He served as professor, chairman of electrical engineering, dean of engineering, acting president, vice president and dean of the faculty, and senior vice president.

To recognize Moench's contributions to the college's development, the main academic building was named Moench Hall in 1977.

While a Rose-Hulman legend, Moench was nationally recognized for his work to create standards of ethics that are used today as guidelines for the registration of professional engineers.

This book is dedicated to Herman A. Moench, the man who dedicated his life to the education of thousands of Rose students.

Racing *Into* *the* *Nineties*

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Year in Review

Chronology — Fall 1989

Class of 1993 Joins Rose

The 118th Rose-Hulman Class arrived on campus in August and is shown here moving into Deming and Speed Residence Halls.

The class will witness many changes in the institute during its four years in engineering or science study. They are already beginning to see a higher tuition than previous classes have sustained. Tuition is now approaching \$9500 per year. Many of the campus facilities will improve. There will be more computers, laboratory equipment, and possibly a new residence hall. They will also witness new curriculum programs. Many of the students in this class will learn calculus by using Maple computer software.

The most memorable experiences of

these Rose-Hulman students during their first quarter included adventures in residence halls, varsity sports, classes, and fraternities. Jeff Haggerty remembers "LakeFest '89" as his most memorable experience during his first quarter. All of Deming I ended up in "scum pond" before it was over. Rob Arlt describes all-nighters for Chemistry lab reports and Graphical Communications as being the most remarkable event in the first quarter. Andy McConnell pointed out that the best part of the first quarter at Rose-Hulman is getting a new set of friends. These friends will be depended on for the next four years, because "without friends Rose would be next to impossible."

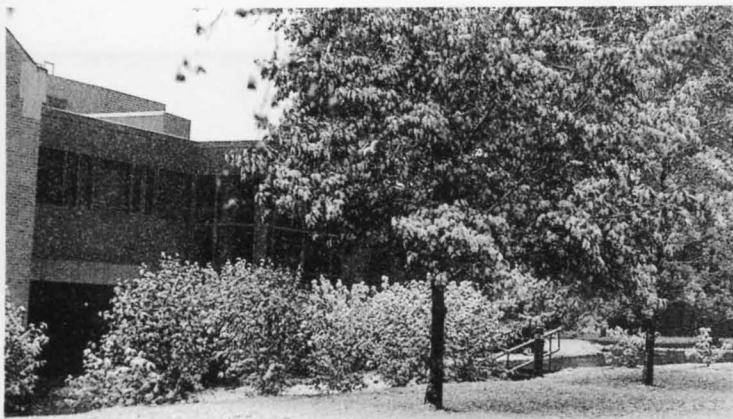


Rose-Hulman Class of 1993 moves in.



Snow in October?

Indiana weather lived up to its unpredictable reputation when snow fell in the middle of October 1989.



Fall 1989 Campus Activities

September:

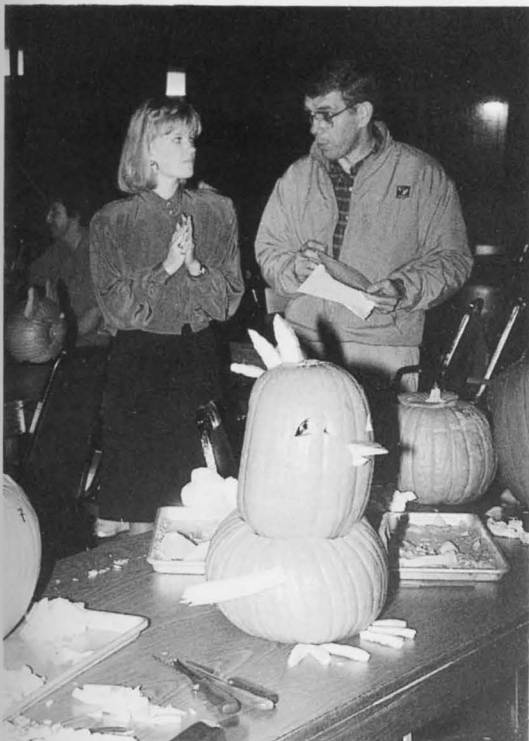
- Students met with C.H.U.C.K.S. (Committee to Halt Useless College Killings) to discuss fraternity hazing.
- Seniors met with the College Placement Office to prepare for the job search or graduate school application process.
- R.H.A. held the "Star Trek All Niter" movie night.
- The S.G.A. Congress was elected for the year.
- There was another successful RHA/IFC/APO Blood Drive. (see Photo.)
- Circle K sponsored a Bike-A-Thon for American Diabetes Association.
- A mime named Trent Arterberry performed in one of the Fine Arts Series Shows.
- S.A.B. and I.F.C. sponsored a campus-wide dance.
- The 1989 Hallypmics were held with Speed and Mees tying for first place.

October:

- Fraternities rushed to get new members.
- Homecoming was held with bonfire, pep-rally, and other festivities (see page 8-9).
- Dad's Day activities included a football game, a soccer game, a dinner, and "Cinderella" performed by the National Opera Company.
- Rose-Hulman's Board of Managers approved a mission to "establish Rose-Hulman as THE BEST undergraduate engineering and science college" by the year 2000.
- Ford, Eli Lilly, and General Motors interviewed on campus in the same week.

November:

- Rose-Hulman Drama Club performed "Wild Oats" (see picture).
- Saint Mary-of-the-Woods held a Talent Show and Lip Sync contest.
- Cross Country team ran in the NCAA Regional Meet.
- The Debate Team placed second out of 29 in the John Harlan Debate Tournament.



Impossibilities Become Realities as Freedom Infests Eastern Europe

National Events for Fall 1989:

August:

- Poland elects its first non-communist prime minister in over 50 years.
- Voyager 2 sends back the first closeup photos of Neptune from 2.8 billion miles away. Five rings and eight moons were discovered.
- Cincinnati Reds manager Pete Rose is banned from baseball for betting on games.
- George Bush goes on his first vacation as president. Daily activities included swimming, jogging, tennis, horseshoe-pitching, and fishing.

September:

- Exxon spills 11 million gallons of petro-

leum on Alaska's southern coast.

October:

- A coup attempt with American involvement to remove Panama's General Manuel Noriega fails.
- An earthquake in the San Francisco Bay kills 4000 people, wounds 132,000, and interrupts the World Series between the Giants and the A's.

November:

- The Berlin Wall is torn down and East and West Germany are undivided after 38 years.

Let's Hear it for Homecoming!

By Randy East with Photography by Matt Morris

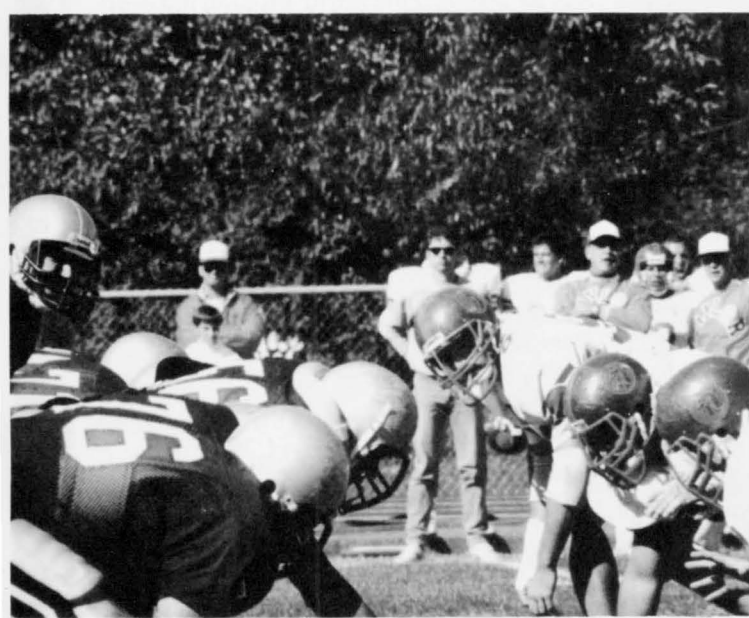
Homecoming once again drew crowds of alumni and families to the Rose-Hulman campus this fall. For a few days, classes and homework were forgotten as students' families and girlfriends all came out for the action. Red plaid suits filled the Union, parents swept in and out of Root Quadrangle, and it seemed like half the town showed up for the pep rally and the homecoming football game.

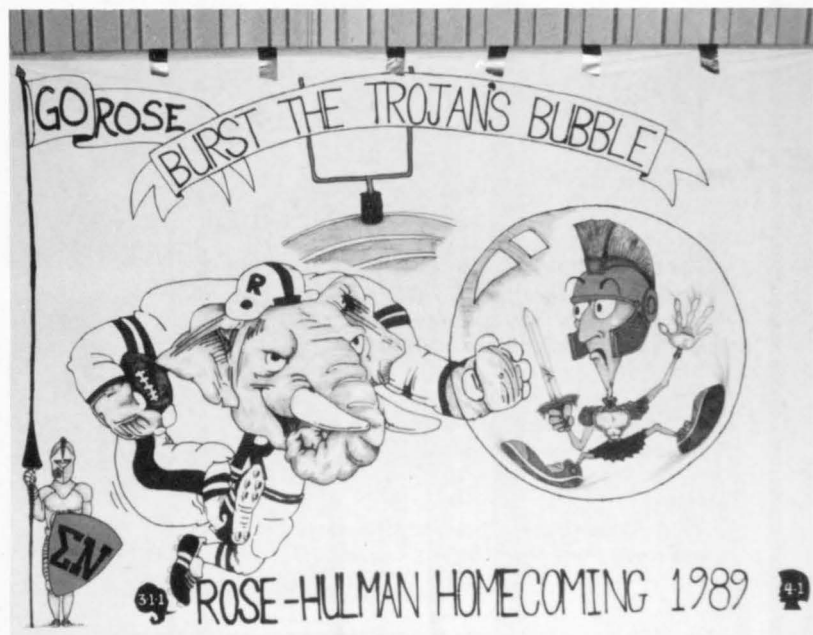
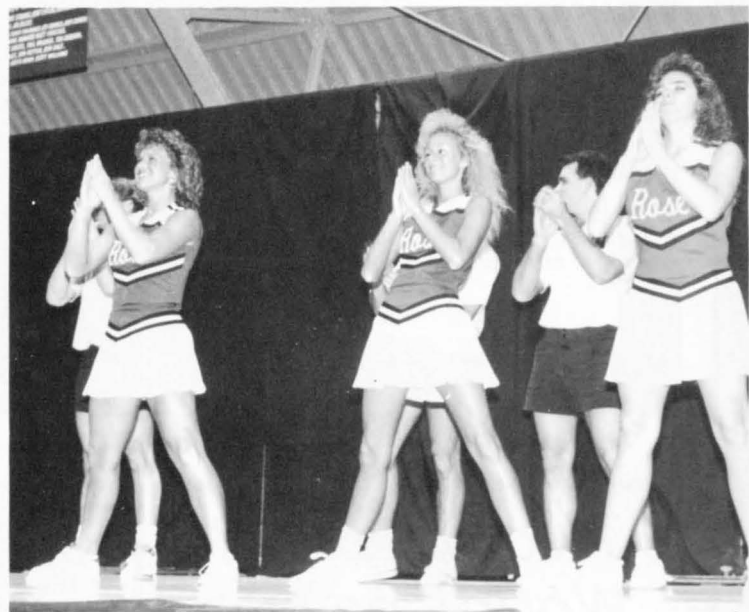
The pep rally included the usual cheer and banner contest, the Delta Sigs winning the favor of the judges with their demonstration of school spirit. Building up to a climax, the band and cheerleaders both gave spectacular performances. Then, as suspense filled the crowd, President Hulbert walked along the line of beautiful candidates and crowned Sheila Lo-

raine Bishop 1989 homecoming queen.

Within minutes a surging mob of people spilled out of the fieldhouse and covered the field before the traditional freshman bonfire. In spite of its size (it failed to set the woods on fire this year), the crowd spent hours in its radiance. Celebration raged on late into the night, but the next day dawned clear, a gorgeous day for the football game.

The Fightin' Engineers fought hard and put on an excellent aerial display, but were unable to crush the Taylor University offense. The disappointment failed to dampen the spirit of the occasion. The band kept on playing, the cheerleaders kept on cheering, and the crowd kept on eating and enjoying the festivities.







Two Despised World Leaders Are Ousted in Winter 1989-90

World Events in Winter 1989-90:

December:

- The United States invades Panama to assist the overthrow of dictator Manuel Noriega.
- The people of Romania revolt and overthrow Communist dictator Nicolae Ceausescu.

January:

- As predicted, the San Francisco 49'ers trounce the Denver Broncos in Super Bowl XXIV.

February:

- South African black-rights leader Nelson Mandela was freed from prison after 27 years.



Winter Quarter Leaves Many Students Out in the Cold

Winter Quarter comes after fall break, is split by Christmas break and ends with spring break. With all of these breaks on the mind of the student, it is often difficult to stick to the books. A lot of strange student activities take place at this time. As the end of the quarter rolls around though, a lot of last-minute studying is done to make up for putting things off until after that next break.



Chronology—Winter 1989-90

Activities Peak in Winter



December:

- Rose-Hulman students join the St. Mary-of-the-Woods chapter of Amnesty International in a luminara service to recognize the successes of the world's political prisoners.
- Dr. Jim Wand hypnotized Rose-Hulman guys and guests (see picture).
- Pei Min Xin spoke on campus about the student revolution in China.
- A dedication to our late American philosopher "Will Rogers' U.S.A." was performed on campus.
- Rose-Hulman's basketball team won the invitational tournament hosted by our school.
- Rose-Hulman's Men's Chorus and Mixed Choir performed a Christmas concert.
- WMHD submitted a proposal to the F.C.C. to raise transmitter power from 160 to 700 watts.

January:

- R.H.A. sponsored "Alfred Hitchcock Night," an all-night movie showing.
- Career Fair '90 was held (see related article).
- SGA Executive Officer elections were held. Chadd Taylor became the new SGA president, and Adam Griner became V.P.
- The Blue Key student-faculty dialogue was held.
- The Chicago Winds Quintet played on campus.
- SAB held an open stage night at the Worx.
- Linda Black, Rose-Hulman's favorite folk-singer/comedienne, played for a wild crowd at the Worx.
- The first annual Edible Engineering competition was held with cheese and crackers at the building medium.

February:

- Rose-Hulman's Jazz Band performed for the Winter Concert.
- SAB held a Las Vegas Night.
- Julia Bushkova, a respected violinist, performed.
- The popular SAB event, "Take Five," took place for its 2nd year.

Career Fair '90

Over Forty Companies Participated to Gain the Interest of Rose-Hulman Students

It was a day for seniors and underclassmen to find out what kind of companies hire engineers and scientists, what they had to offer, and how to get a foot in the door. Technical companies from all fields and all parts of the country were represented at the first Career Fair.



Solar Phantom

A new project on the Rose-Hulman campus this year has been the solar car that was built by Rose-Hulman students for the General Motors Sunrayce.

The project to build the car, better known as the "Solar Phantom", was begun late last year with a 60-page proposal to General Motors that Rose-Hulman was a school that could compete in such an event. Out of over 100 schools that submitted proposals, Rose-Hulman is the smallest of the 32 that were selected to compete in the July 1990 race.

Students from all disciplines were invited to help on the project and they responded. Indeed, the coordinator from GM was amazed at how well our varied majors worked together, which will help accomplish the goal: To Win the Race. Other schools were depending only on one department. Be-

cause of their size, students from different majors did not know one another which made it tougher to get other departments to participate.

The necessity for cooperation is accentuated because of the project. Aerodynamics goes hand in hand with electrical efficiency as well as distribution. Therefore, studies in the wind tunnel are as important as computer monitoring of power levels.

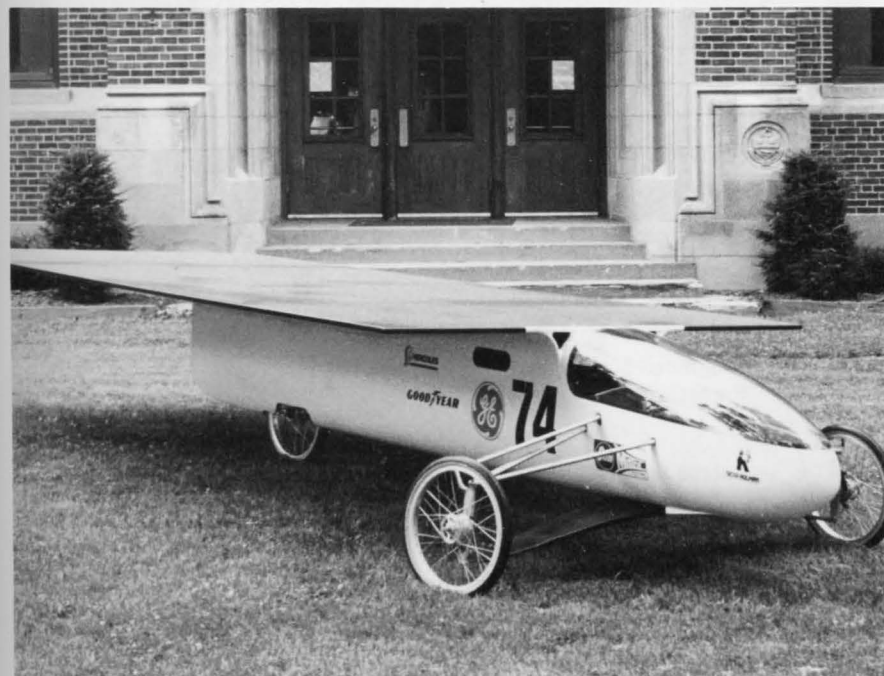
The Sunrayce will occur in mid-July and the outcome still remains to be seen. However, regardless of who crosses the finish line first, the engineers involved in the Rose-Hulman project have already struggled in a much bigger competition. They have challenged themselves, and won.

Kynan Church hard at work.



"Screening" the drivers.





Upper left: Coordinators at the Rose Show. Center left: Wind tunnel testing. Lower left: The Solar Phantom. Bottom: Some team members in official publicity pose.



Another Busy Spring At Rose

Campus Events During Spring 1990:

March:

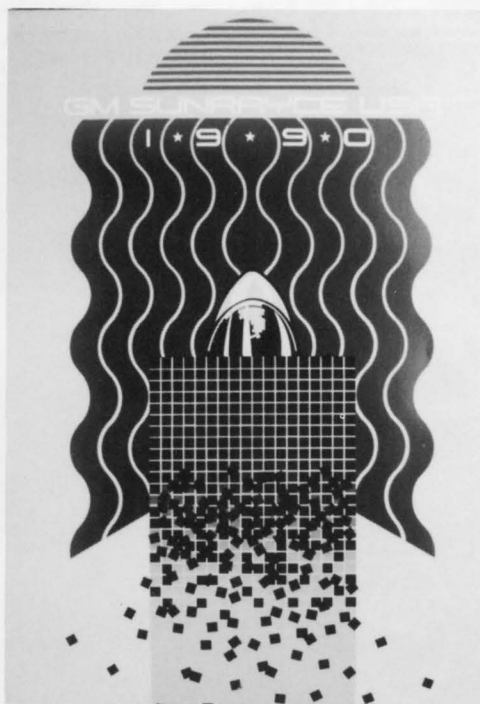
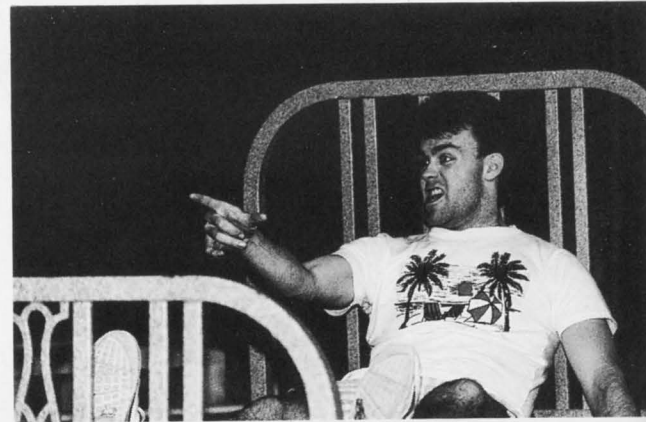
- Alumni Phonathon was held to raise money for Rose-Hulman and keep in touch with Rose graduates.
- Another successful Engineers-in-Concert was performed.
- The 100th Anniversary of Rose-Hulman Intercollegiate athletics was celebrated.
- The new Rose-Hulman Mathematics Modeling Team took first place in a national competition.

April:

- SpringFest was celebrated with music by DB Cooper, Jady Kurrent, and Exquisite Fashion (see related article).
- David T. Kearns, Chairman and C.E.O. of Xerox was the guest for the Oscar C. Schmidt lecture.
- Students prepared projects and displays for the annual Rose-Show/Parents Weekend (see related article)
- Rose-Hulman's Drama Club performed "The Mystery of Edwin Drood."

May:

- Rose-Hulman students pitched in to help clean up campus (see article).
- The SGA budget for next year was released.
- Dr. Samuel Proctor spoke to Rose-Hulman about education and community in America.
- Another class of Rose-Hulman students successfully completed their requirements and graduated.



Spring World Events Close with Bush-Gorbachev Summit

World Events in Spring 1990 Included:

March:

- Lithuania broke from the Soviet Union.
- Nicaraguan Sandinista government was voted out in an election. Daniel Ortega was replaced by Violetta Chamarraro.

April:

- The United States held a census. Less than 60% of people responded on the first mailing of forms.

May:

- George Bush and Mikhail Gorbachev held a summit in the United States to discuss arms agreements and central Europe.

Chronology — Spring 1990



Registration for next year's classes.



Cleaning Up Our Campus

One of the most impressive ongoing Rose-Hulman traditions is the annual cleanup day. Students get up early on a Saturday morning; WMHD supplies the music; Pete and Tom supply the cleaning and gardening tools.



Rose-Show '90

Through Rain and Shine

The light showers all morning and into the early afternoon on Saturday, April 28, failed to dampen the festivities of the Rose Show, sponsored by Blue Key Honor Fraternity on Parent's Weekend. The new grass in Root Quadrangle enjoyed the treat, while parents and students had a great time checking out the exhibits. This year's Rose Show featured displays by most of the academic departments, ACM, ASH-RAE, WMHD, the Gun Club, the Glee Club, the Jazz Ensemble, the Racing Association, the Learning Center, and Logan Library.

Some of the events which drew the biggest crowds were the mechanical engineers' drag race and the civil engineering department's Bridge Busting contest. About 100 people stopped in the Moench Hall Commons to witness the Hautian Express No. 1 streak down the track under full mouse-trap power. Although this was the only one of the six entries to cross the finish line for both trials, two other cars did complete the first round with times which beat last year's best. Tension ran high when Mickey — which won first place for creative design — wiped out on its second run, but perhaps the greatest tragedy was when Blue-Light Special threw a rod. In the Bridge Busting, Mike Walabieser's bridge placed first of twenty-five entries by withstanding a whopping 125 pounds of pressure. This year's bridges were made of department-supplied pine instead of the usual balsa wood, a fact which made the contest much closer. Later, the civil engineers went on to prove themselves in the field of beam and column construction as well.

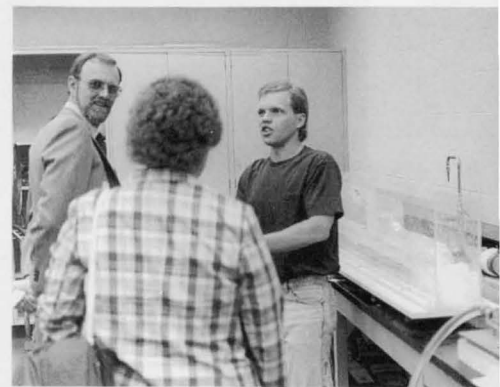
Seven impressive projects were on display by the

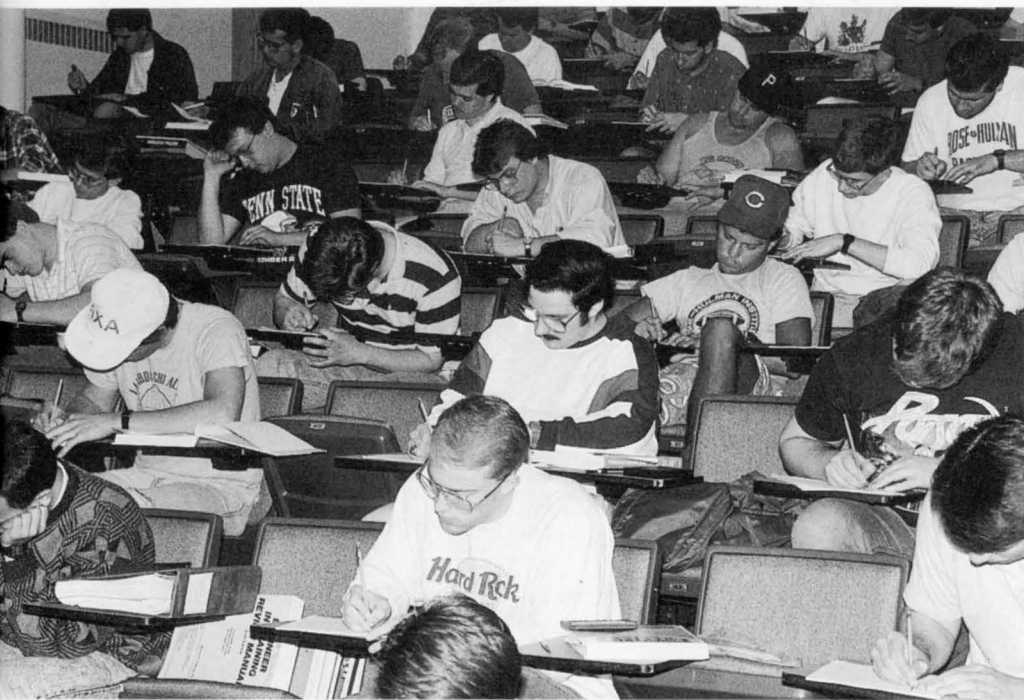
EE's, including an electronic drum kit, the VX-30 computer designed and built by Derron Meranda and Ron Perella, and the Message Wand designed by Chuck Tommey, Dave Devore, and Kevin Wyatt. All three of these projects received awards, the latter being named GE Outstanding Project. Passersby were also encouraged to attempt to unlock the electronic "safe" to win a lot of pizza and to participate in an electronically-scored basketball game.

The Chemical engineers also had some real crowd-pleasers, especially in the area of plastics. Chem E students were kept busy making extruded plastic name signs and molded plastic ash trays and corn-on-the-cob prongs. Others busily removed the color from Kool-Aid or made coffee from purified sewer water. There were also displays on heat exchangers, computer applications, filtering, and a "cool" refrigeration project.

The physics and chemistry departments had some science displays, with projects which encompassed everything from lasers and holograms to superconductors and static electricity. Also on display was the Continuous Microscale Extraction exhibit which was presented before the ACS National Conference in Boston this year. Participants in the Rose show were drawn to demonstrations of shattering frozen racquetballs and given a chance to see themselves placed on Mars by a video-editing package in the computer physics lab.

All in all, Rose Show '90 was a big success. What can we say? It is just one more thing to prove that Rose-Hulman is top-notch!

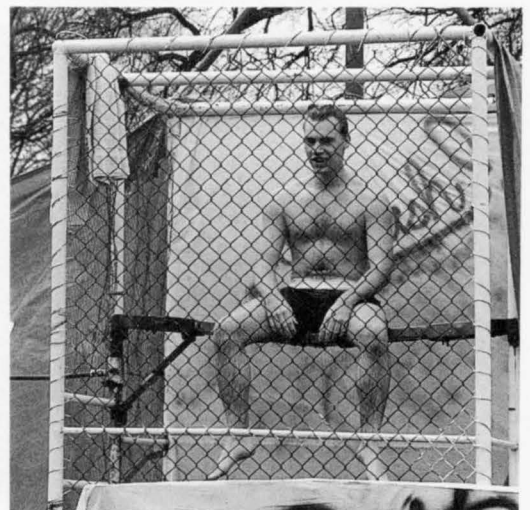




Spring Fest '90

*Plenty of Fun . . .
But Where Were the Seniors?*

On April 21, a sunny Saturday, Rose-Hulman held Spring Fest 1990 on Speed Beach. There was plenty of food, supplied by ARA, and song and dance, performed by D. B. Cooper, Jady Kurrent, and Exquisite Fashion. The Circle K Volleyball Tournament and PKA Dunking Booth contributed to the fun. The weekend was a blast for everyone . . . well almost. Most of the seniors were stuck inside all day taking the eight-hour E.I.T. exam to be eligible for their Professional Engineering license at a later date.



Commencement 1990

*270 seniors
receive degrees*

Dennis Wagner

Hemminway Award winner

Mark Schulz

Herman Moench Distinguished

Senior

J. Corie Biggs

Royse Award Winner



Diploma makes it all worthwhile

The all-night study session, the bombed computer program, the reams of Shakespeare and the never-ending labs proved to be worth it after all. On May 26, 1990, 270 seniors capped their Rose-Hulman careers at the college's 112th commencement.

In keeping with the yearbook's "Racing Into the '90's" theme, internationally known race driver A.J. Foyt received an honorary degree. Other re-

cipients were: Don Fordyce, vice president, Fairchild Space Co.; Howard Freers, retired chief engineer for technical services, Ford Motor Co.; Dane Miller, president and CEO, Biomet; James T. Morris, president, Indianapolis Water Co.; and Renn Zaphiropoulos, retired president and CEO of Versatec and vice president of Xerox.

Zaphiropoulos delivered the commencement address. He told graduates

that the managers of today must prove themselves worthy to lead.

In an interesting sidelight, Foyt put his doctorate to quick use when his helicopter would not take off after commencement. The chopper was having trouble holding a charge. After some shirtsleeve mechanic work, Foyt solved the problem and he was able to fly back to Indianapolis where he raced the next day in the Indianapolis 500.

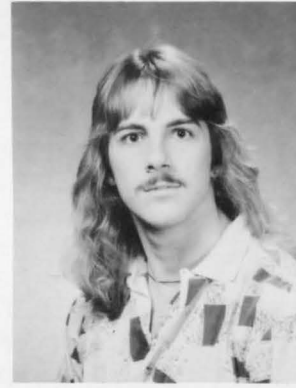


Opposite page, upper left: a final walk through campus in the traditional commencement walk; Opposite page, middle left: cameras were everywhere; opposite page, upper right: smiles and hugs were the order of the day; opposite page, bottom: an estimated crowd of 3,000 witnessed the big day; left: A.J. Foyt works to fix helicopter; bottom: the members of the class 1990

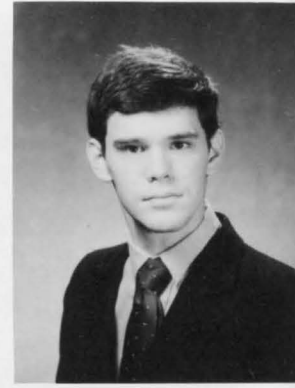


Seniors

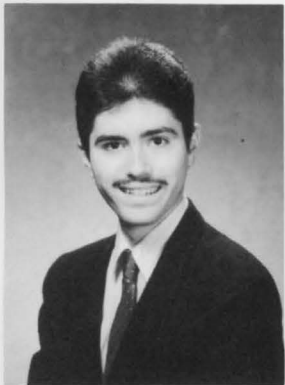
Class of 1990



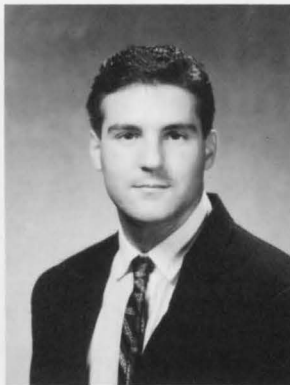
Thomas Adams
Mechanical Engineering
Savannah, Georgia



John Allen
Computer Science
Marianna, Florida



George Angelov
Mechanical Engineering
Hobart, Indiana



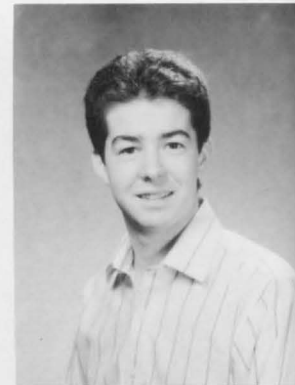
Trevor Arnold
Chemical Engineering
Brownsburg, Indiana



Frederick H. Baatz
Mechanical Engineering
Fort Wayne, Indiana



Frederick Baker
Mechanical Engineering
Logansport, Indiana



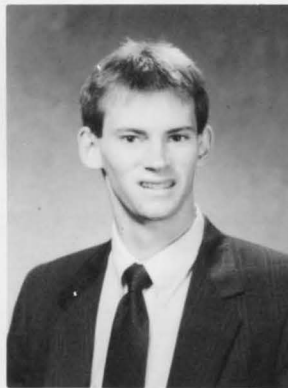
Scott Barndt
Electrical Engineering
Missoula, Montana



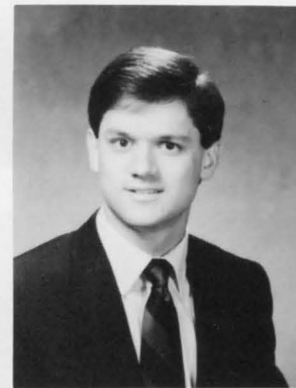
Ken Barrett
Mechanical Engineering
Salem, Indiana



Christopher T. Barron
Physics
Compton, Indiana



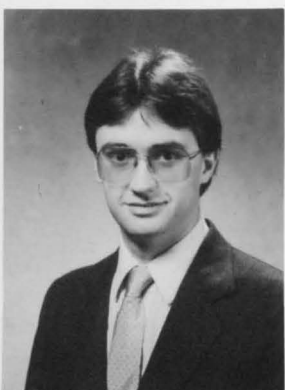
Brian Bartley
Electrical Engineering
Jasper, Indiana



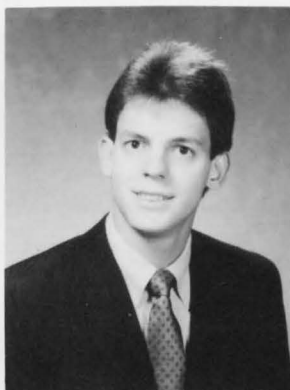
Michael Bell
Mechanical Engineering
LaPorte, Indiana



Steve Benoit
Electrical Eng./Physics
Gillette, Wyoming



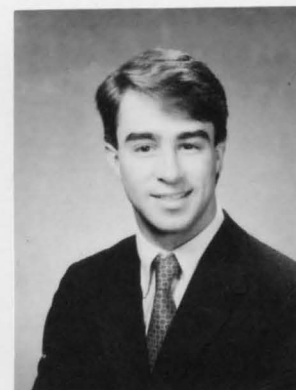
James Biggs
Electrical Engineering
Palestine, Illinois



Dale Bittner
Mechanical Engineering
St. Leon, Indiana



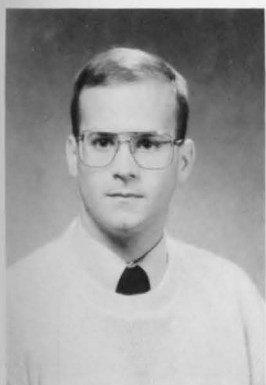
Dennis Black
Electrical Engineering
Carbon, Indiana



Joseph M. Bone
Electrical Engineering
Evansville, Indiana



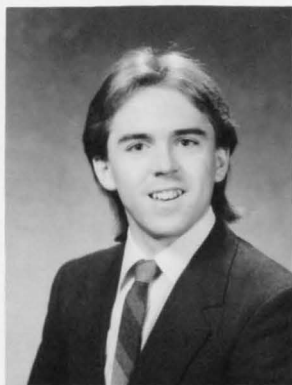
Randall Bridgeman
Chemical Engineering
Kokomo, Indiana



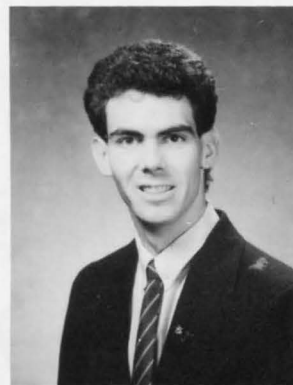
Lee Bridges
Mechanical Engineering
North Vernon, Indiana



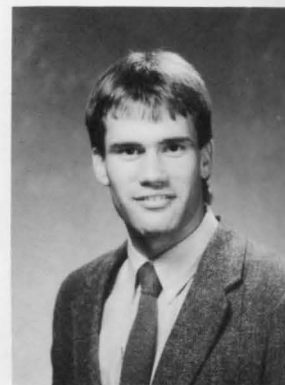
John Buetow
Electrical Eng./Appl. Opt.
Kokomo, Indiana



Jeremy Carlson
Electrical Engineering
Spencer, Indiana



James Carroll
Electrical Engineering
Lafayette, Louisiana



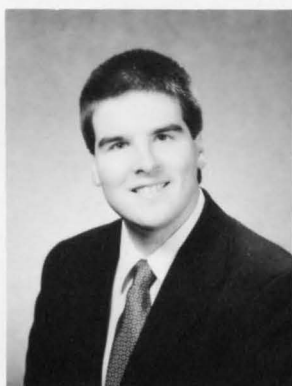
Bruce Carter
Civil Engineering
Milroy, Indiana



Jeffrey Caudill
Mechanical Engineering
Franklin, Indiana



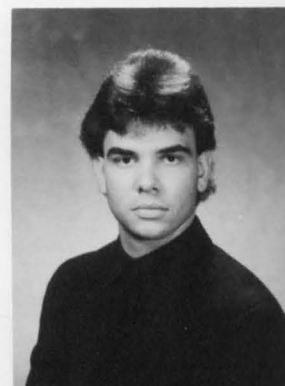
Eric Cegielski
Mechanical Eng./Russian
Kinterville, Pennsylvania



Steven Childress
Mechanical Engineering
Greenfield, Indiana



Timothy J. Cindric
Mechanical Engineering
Indianapolis, Indiana



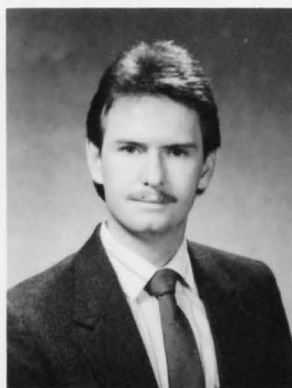
Robert Clear
Mechanical Engineering
Compton, California



Doug Collier
Civil Engineering
Coatesville, Indiana



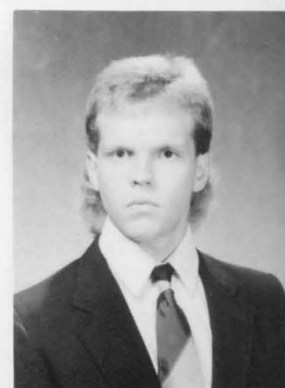
Andrew Conru
Mechanical Eng./Economics
Michigan City, Indiana



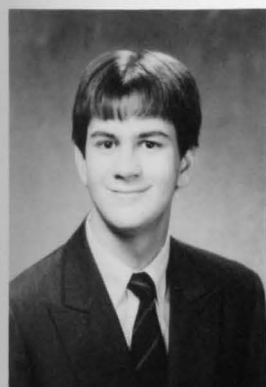
Eric Cooper
Mechanical Engineering
Scottsburg, Indiana



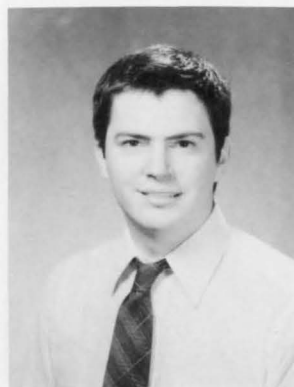
Harold Cowan
Chemical Engineering
Indianapolis, Indiana



John D. Crane
Civil Engineering
Hume, Illinois



Jeff Darnell
Mechanical Engineering
Columbia, Missouri



Barry Davignon
Mechanical Engineering
Attlesboro, Massachusetts



Douglas Denney
Computer Science
Whiteland, Indiana



Matthew Donk
Electrical Engineering
Aurora, Indiana



Phillip Eckert
Mechanical Engineering
Sellersburg, Indiana

Seniors

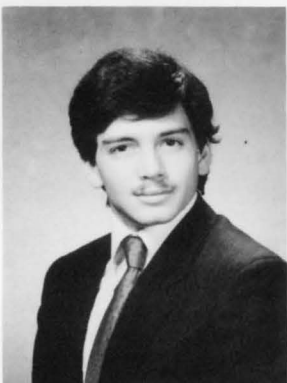
Class of 1990



James Edwards
Electrical Engineering
Michigan City, Indiana



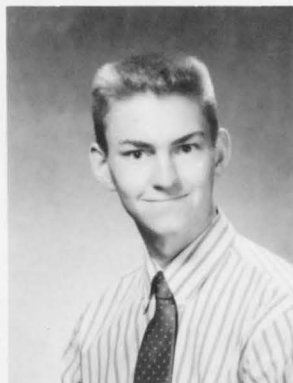
James Elliot
Electrical Engineering
Marengo, Indiana



Brian Engle
Mechanical Engineering
Terre Haute, Indiana



Mike Eubank
Civil Engineering
Brownsburg, Indiana



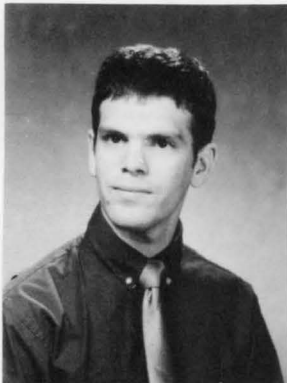
Christian M. Evarts
Electrical Engineering
Kirkland, Washington



Scott Faust
Electrical Engineering
Waukesha, Wisconsin



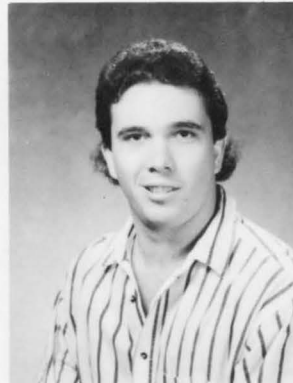
Brian Findley
Electrical Engineering
Terre Haute, Indiana



Paul Fitton
Physics
Woodstock, Georgia



Eric Forster
Electrical Engineering
Greenwood, Indiana



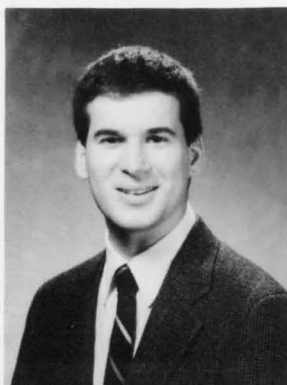
Rodger Fortune
Civil Engineering
Terre Haute, Indiana



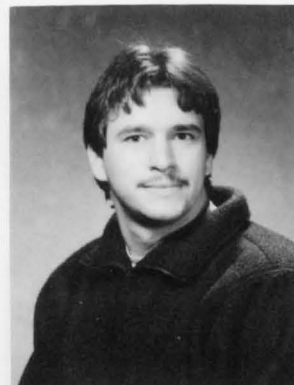
Timothy Geswein
Civil Engineering
Floyds Knobs, Indiana



Eric Glover
Civil Engineering
LaGrange, Ohio



Stephen Glueckert
Chemistry
Algoma, Wisconsin



Dana Gossert
Applied Optics
Carlisle, Pennsylvania



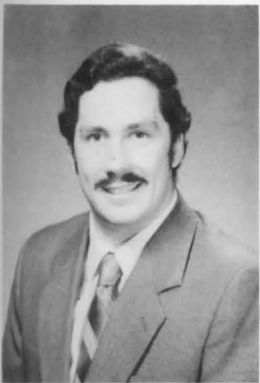
Paul Hajdu
Chemistry
Highland, Indiana



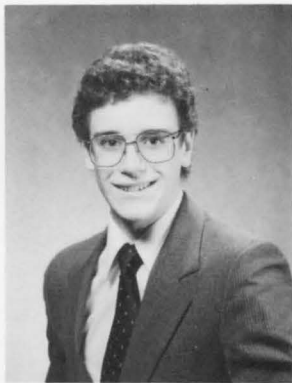
Christopher Halioris
Mathematics/Comp. Sci.
New Port Richey, Florida



Allen Hall
Electrical Engineering
Lincoln, Nebraska



Jay C. Hall
Electrical Engineering
Griffith, Indiana



Jeff Hanson
Computer Science
Bedford, Texas



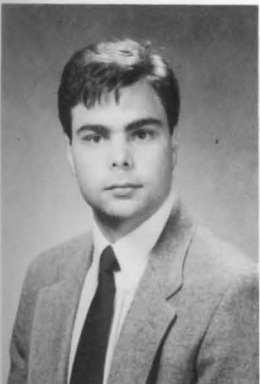
Joe Harrell
Electrical Engineering
Cincinnati, Ohio



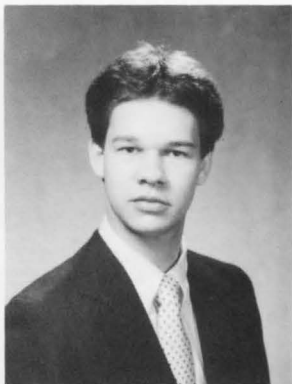
Gregory Heimann
Mechanical Engineering
Decatur, Indiana



John Hummel
Chemical Engineering
Greenwood, Indiana



William Hendricks
Chemical Engineering
Hollywood, Florida



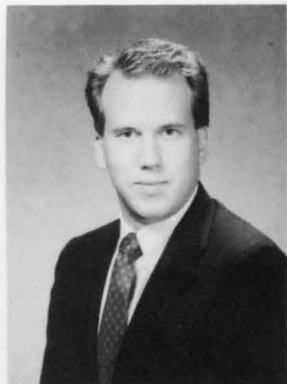
Stuart Henson
Mechanical Engineering
Petersburg, Indiana



Joseph Hentz
Mechanical Engineering
Ogden, Utah



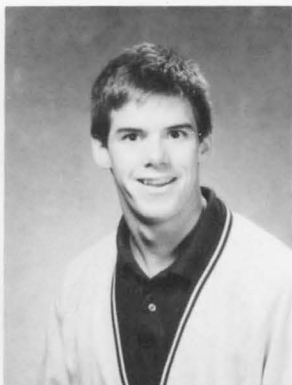
Michael Hoffa
Mechanical Engineering
Centerpoint, Indiana



Michael Hopkins
Mechanical Engineering
London, Ohio



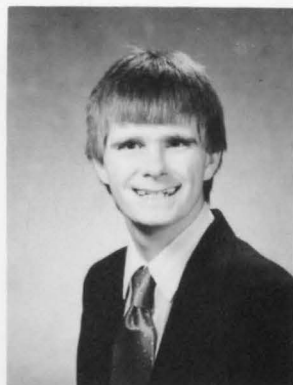
Frederick Jacobs
Chemistry
Fort Wayne, Indiana



Robert Jacobs
Chemical Engineering
Holly, Michigan



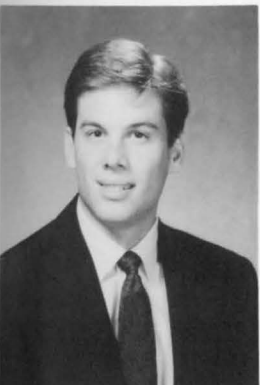
James C. Johnson
Mechanical Engineering
St. Paul, Minnesota



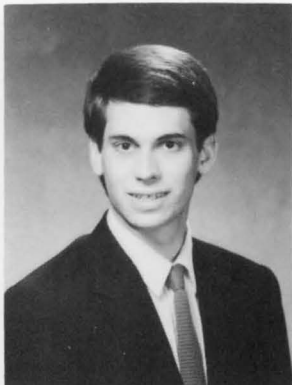
Jeffrey Johnson
Mechanical Engineering
Lyons, Indiana



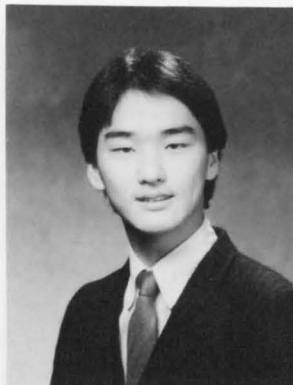
Theodore Jung
Electrical Engineering
Tipton, Indiana



Troy Kabrich
Electrical Engineering
Francesville, Indiana



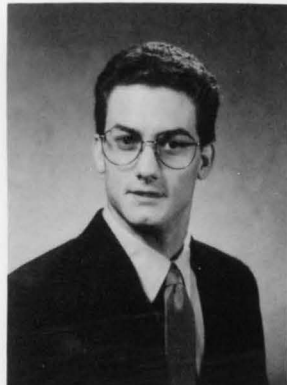
Steven Keller
Computer Science
New Market, Indiana



Michael Kim
Electrical Engineering
Lexington, Kentucky



Kevin Knoepfel
Civil Engineering
Marshall, Illinois



Brian K. Kochersperger
Civil Engineering
Portland, Indiana

Seniors

Class of 1990



Rick Kocken
Electrical Engineering
Huntingburg, Indiana



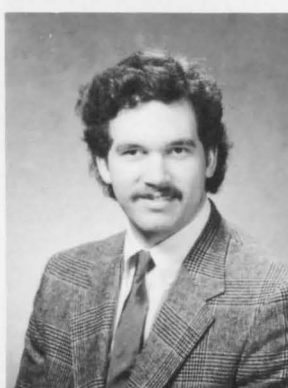
James Koehl
Electrical Engineering
Fort Wayne, Indiana



David K. Konczal
Electrical Engineering
Montgomery, Illinois



David W. Kooyman
Electrical Engineering
Knoxville, Tennessee



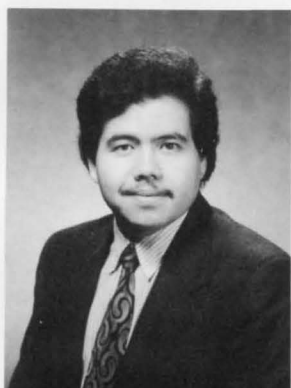
Leo Krajewski
Computer Science
Lower Barrell, Pennsylvania



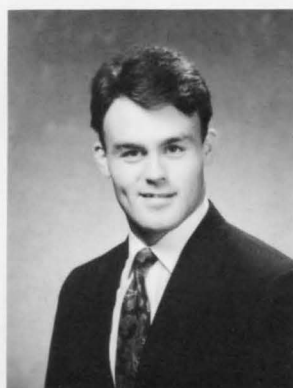
Charles Edward Larkin, II
Chemical Engineering
Westerly, Rhode Island



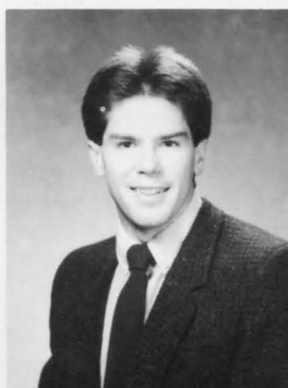
Greg Lengacher
Mechanical Engineering
Odon, Indiana



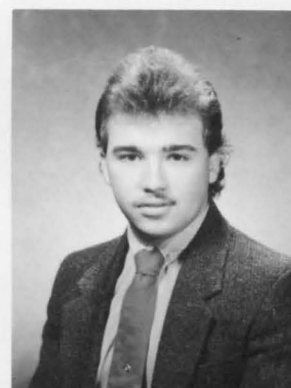
Bruce Levy
Mechanical Engineering
Indianapolis, Indiana



Edwin Lucas
Physics
Plainfield, Indiana



Jason Lueking
Civil Engineering
Bloomfield, Indiana



David Lunceford
Mechanical Engineering
Terre Haute, Indiana



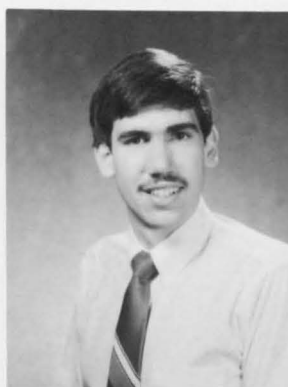
Jeffrey Maynen
Electrical Engineering
Arlington Heights, Illinois



Samuel McCracken
Chemical Engineering
Terre Haute, Indiana



Lorne E. Meade
Mechanical Engineering
Hopkinsville, Kentucky



Brian Meister
Mechanical Engineering
Aurora, Indiana



Mark Melton
Electrical Engineering
Odon, Indiana



David Miller
Chemistry
Clearwater, Florida



Brian Moench
Civil Engineering
Danville, Indiana



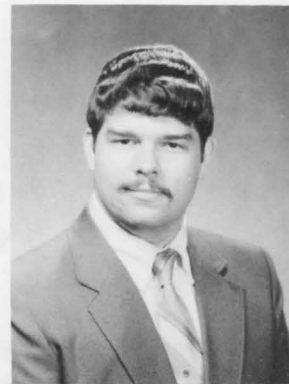
Alan Mok
Electrical Engineering
Hong Kong



Dennis W. Moore
Mechanical Engineering
Lake Villa, Illinois



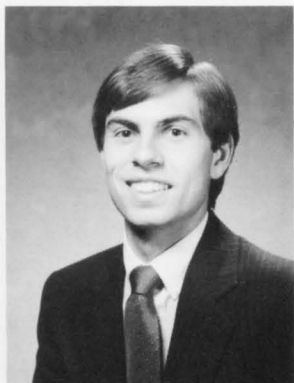
Luke D. Morehead
Electrical Engineering
Indianapolis, Indiana



Matthew M. Morris
Electrical Engineering
Alvada, Ohio



Jeffrey Mullins
Mechanical Engineering
Hartford City, Indiana



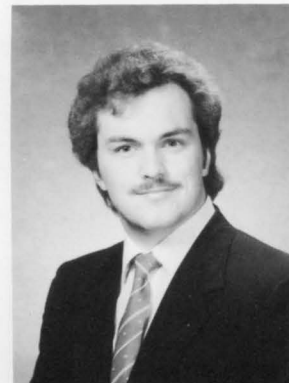
Frederick Scott Myers IV
Mechanical Engineering
West Terre Haute, Indiana



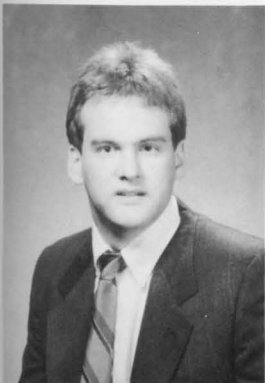
Timothy A. Nahrwold
Electrical Engineering
Fort Wayne, Indiana



Gerald Naliborski
Chemical Engineering
Terre Haute, Indiana



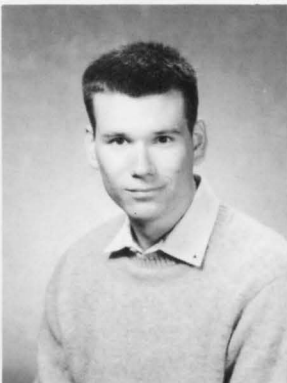
Randy Nelson
Computer Science
Evansville, Indiana



Joel Nicoson
Mechanical Engineering
Centerpoint, Indiana



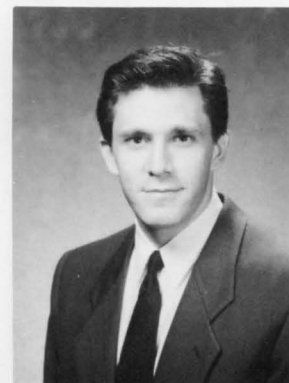
Roger Norris
Chemical Engineering
Williamspost, Indiana



Michael Nowatowski
Electrical Engineering
Katy, Texas



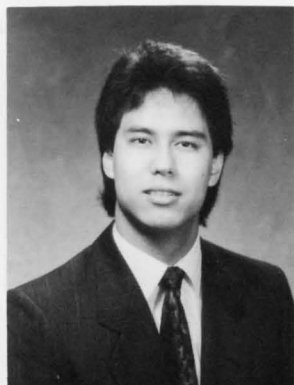
Neil Petroff
Mechanical Engineering
Merrillville, Indiana



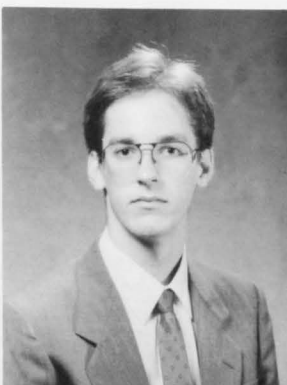
Jeffrey O. Pickett
Electrical Engineering
Shoals, Indiana



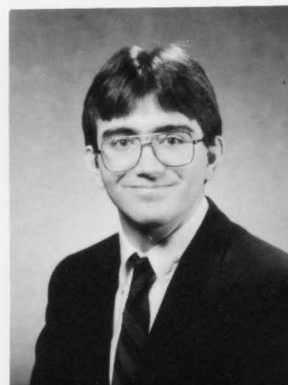
Jeffrey S. Pahl
Electrical Engineering
Arcadia, Wisconsin



Clark A. Pentico
Applied Optics
Mtn. Home, Idaho



Russell Peterson
Mechanical Engineering
Clayton, Indiana



Scott Plimpton
Computer Science
Allison Park, Pennsylvania



Michael D. Poisel
Mechanical Engineering
Schererville, Indiana

Seniors

Class of 1990



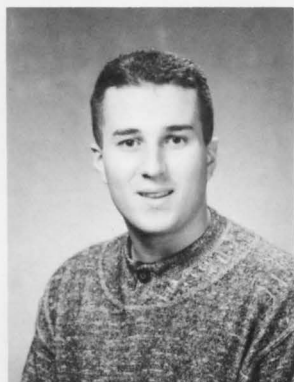
William Pollack
Electrical Engineering
Cherburne, New York



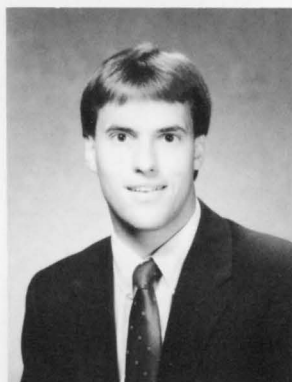
Timothy D. Presby
Electrical Engineering
Frederick, Maryland



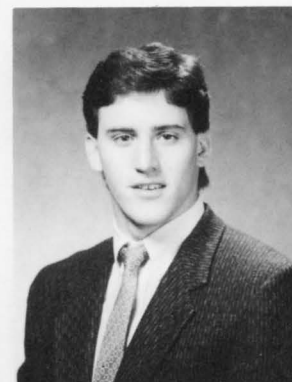
Steven Pryor
Civil Engineering
Visalia, California



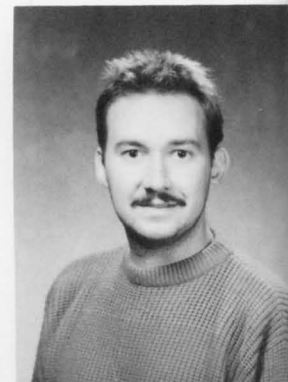
Dennis J. Quimby
Electrical Engineering
Auburn, Washington



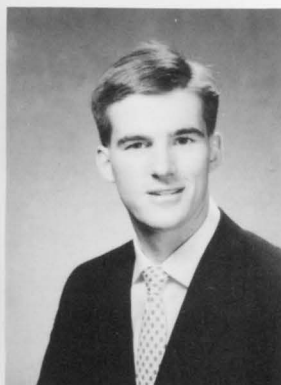
Paul Rakos
Chemical Engineering
Munster, Indiana



Rodney S. Retzner
Mechanical Engineering
Sunman, Indiana



Andy Richards
Mechanical Engineering
Marion, Indiana



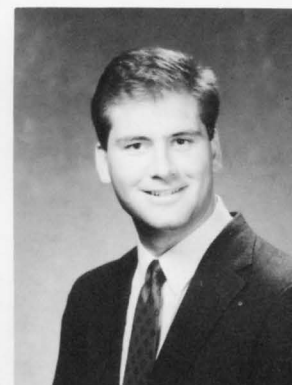
Steven J. Robertson
Mechanical Engineering
Newburgh, Indiana



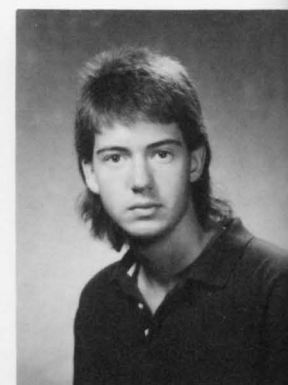
John Roman
Mathematics
New Milford, Pennsylvania



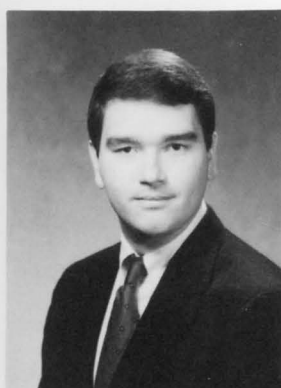
Ryan Roth
Electrical Engineering
South Bend, Indiana



Brian Runkle
Electrical Engineering
Macy, Indiana



Gary Ruston
Civil Engineering
Evansville, Indiana



Gregory Stylewicz
Physics
Vancouver, Washington



Ken Swank
Chemical Engineering
Terre Haute, Indiana



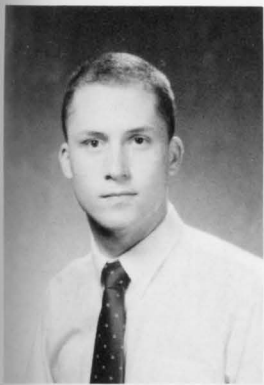
Dervis E. Scheib, Jr.
Electrical Engineering
York Haven, Pennsylvania



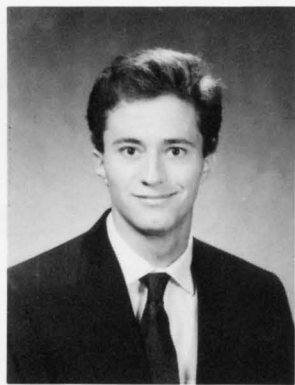
Barry Schneider
Mechanical Engineering
Westlake, Ohio



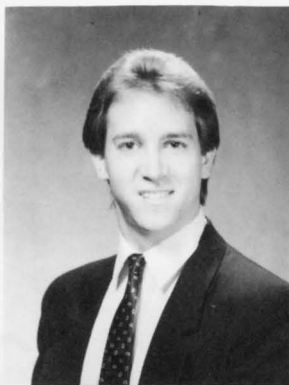
Mark Schulz
Chem. Eng. and Chemistry
Mequon, Wisconsin



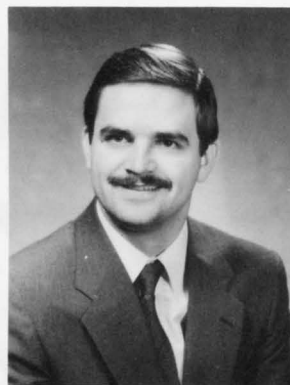
Richard Swaiger
Mechanical Engineering
Fort Wayne, Indiana



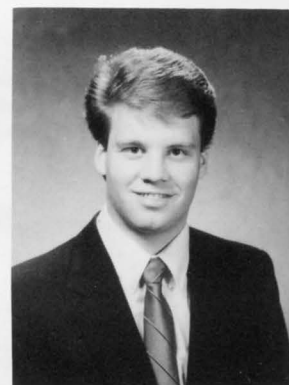
John Schwarzmann
Mechanical Engineering
Scottsdale, Arizona



Tom Short
Electrical Engineering
Brazil, Indiana



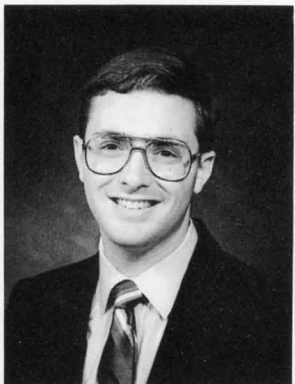
Gary Smith
Electrical Engineering
English, Indiana



Greg Spock
Electrical Engineering
Jeffersonville, Indiana



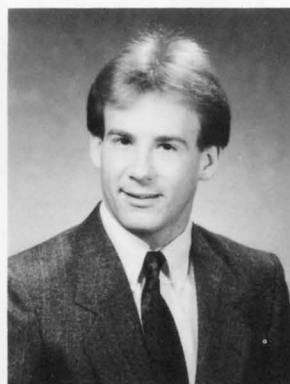
Matt Spurgeon
Mechanical Engineering
Winamac, Indiana



Kevin Steele
Electrical Engineering
Danville, Indiana



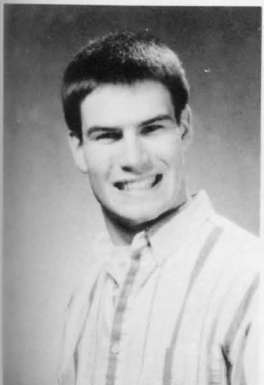
Raleigh B. Steele IV
Electrical Engineering
Indianapolis, Indiana



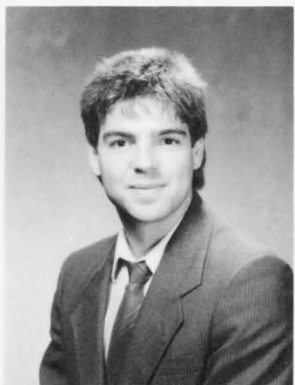
Dale Stevenson
Applied Optics
New Providence, Penn.



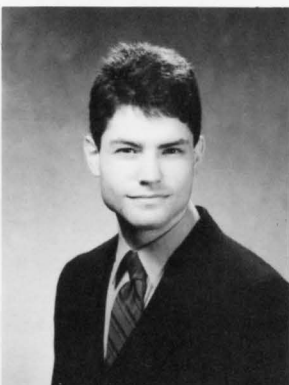
David A. Stoeckel
Chemistry
St. Louis, Missouri



Bradley Stone
Electrical Engineering
Princeton, Indiana



Jason Stone
Mechanical Engineering
Ozark, Arkansas



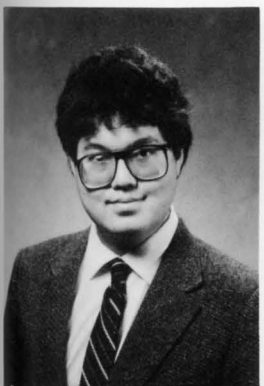
Paul T. Stone
Electrical Engineering
San Antonio, Texas



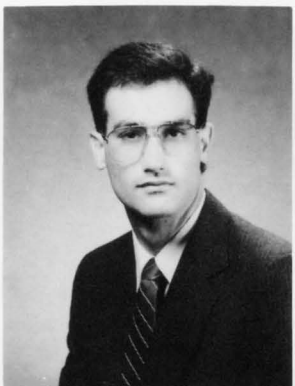
Daniel Storch
Physics and Mathematics
N. Versailles, Pennsylvania



Keith A. Struss
Computer Science
Greenwood, Indiana



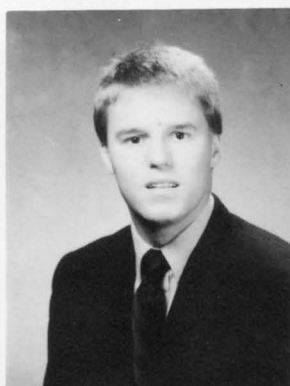
Paul Takahashi
Chemistry
Pittsfield, Illinois



Brent Taylor
Chemical Engineering
Farmersburg, Indiana



Troy Thomas
Comp. Sci. and Mathematics
Mt. Morris, Illinois



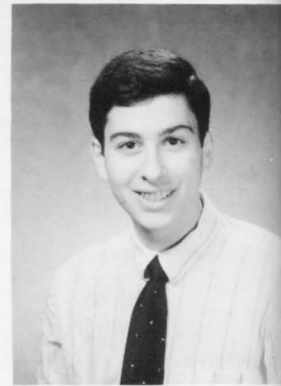
Kyle Thompson
Mechanical Engineering
Boonville, Indiana



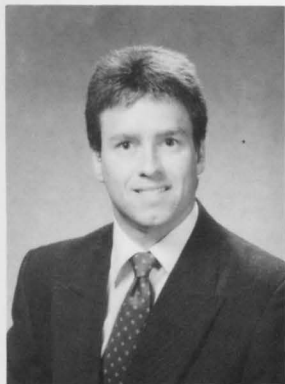
Raymond Urbanic
Electrical Engineering
Mentor, Ohio

Seniors

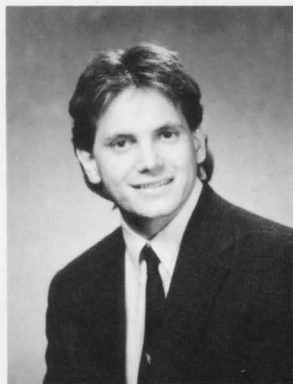
Class of 1990



Frank Visigardi
Civil Engineering
Nanuet, New York



Dennis Wagner
Mech. Eng./German
Vincennes, Indiana



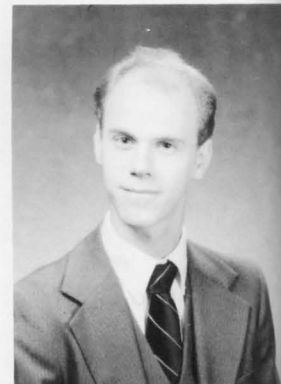
Thomas Wappes
Electrical Engineering
Churubusco, Indiana



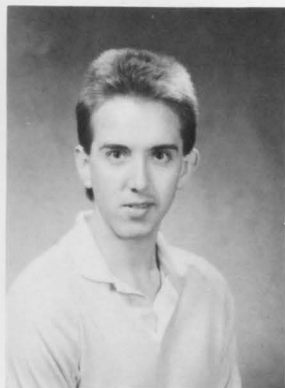
Scott Webb
Mechanical Engineering
Waggoner, Illinois



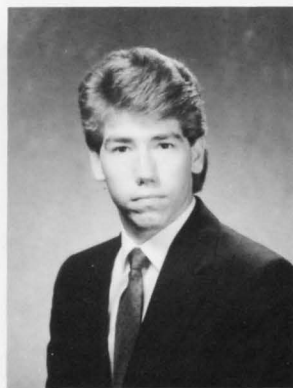
Dwight T. Weese
Electrical Engineering
LaPine, Oregon



Scott Weigand
Physics/Elect. Eng.
Newburgh, Indiana



Doug Weiser
Electrical Engineering
Bradenton, Florida



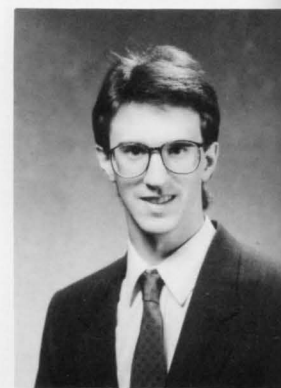
Michael Wherry
Mechanical Engineering
Greenfield, Indiana



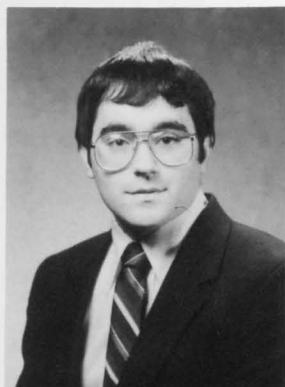
Kenneth Whitehead
Electrical Engineering
Kokomo, Indiana



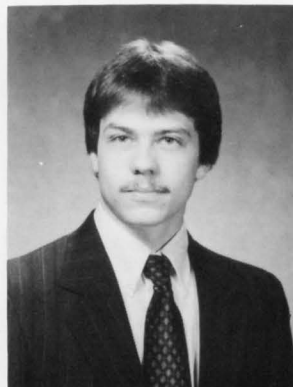
David R. Williams
Mechanical Engineering
Colfax, Indiana



Michael Wilson
Math/Economics
Myrtle Creek, Oregon



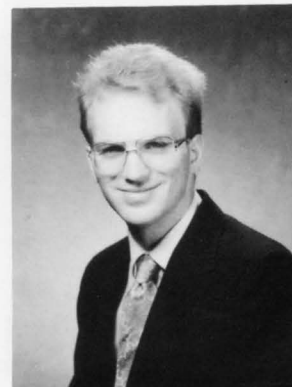
Jeremy Winnick
Computer Science
Cloverdale, Indiana



Richard Woodruff
Mechanical Engineering
Odon, Indiana



Jeffrey Woolwine
Mechanical Engineering
Kingman, Indiana



Lester Yerger
Chemical Engineering
Elizabethtown, Penn.



Roy A. Zimmerman
Civil Engineering
Laconia, Indiana

Graduate Students



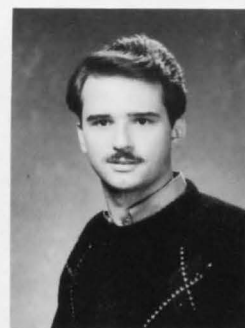
Glen Brown
Applied Optics
Evansville, Indiana



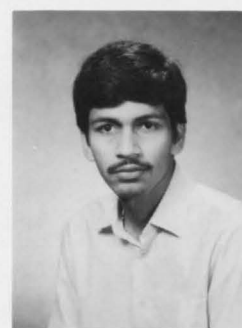
Darin Cook
Civil Engineering
Ladoga, Indiana



Serge Ello
Electrical Engineering
Abidjan, Ivory Coast



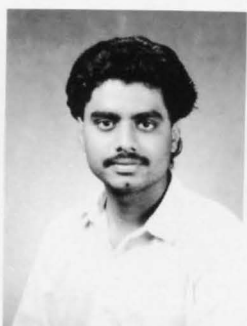
Daniel English
Applied Optics
Kempton, Illinois



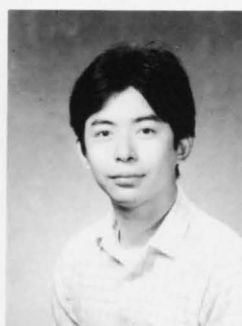
Aditya Khatuka
Elect. and Comp. Eng.
Calcutta, India



Thomas E. Klassen
Mechanical Engineering
Hammond, Indiana



W.G. Suresh Kumar
Electrical Engineering
Madras, India



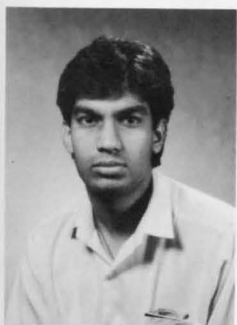
Yisong Li
Applied Optics
Terre Haute, Indiana



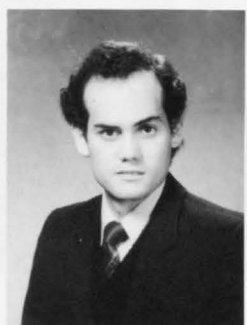
Erik Oldekop
Applied Optics
Heidenheim, FRG



Naagesh Oruganti
Elect. and Comp. Eng.
Hyderabad, India



Chinna Babu Prudvi
Electrical Engineering
Hyderabad, India



Ulises Rodriguez
Mechanical Engineering
Caracas, Venezuela



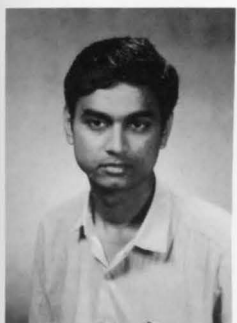
Kevin P. Rolley
Electrical Engineering
Greenville, Kentucky



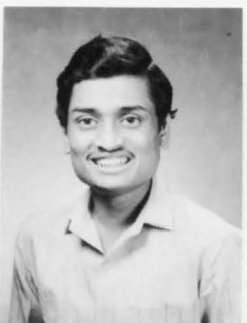
Adarsh Sogal
Mechanical Engineering
India



James Taylor
Civil Engineering
New Goshen, Indiana



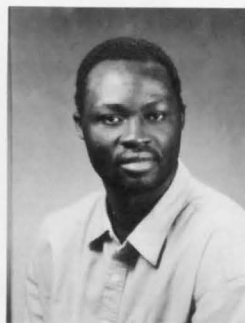
Srikanthan Tirumala
Electrical Engineering
Hyderabad, India



Theja Vishwa
Applied Optics
Bangalore, India



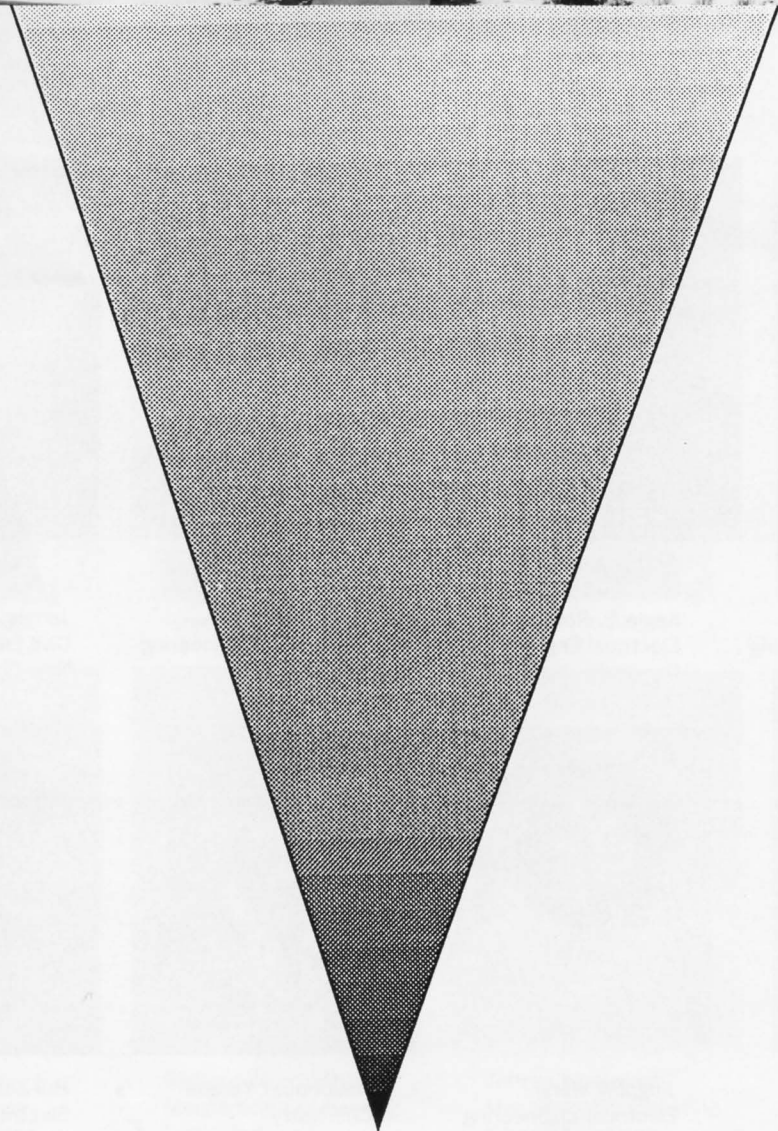
Jingping Wang
Electrical Engineering
China



Houphouet Yarabe
Chemistry



Hui Zhao
Electrical Engineering
China

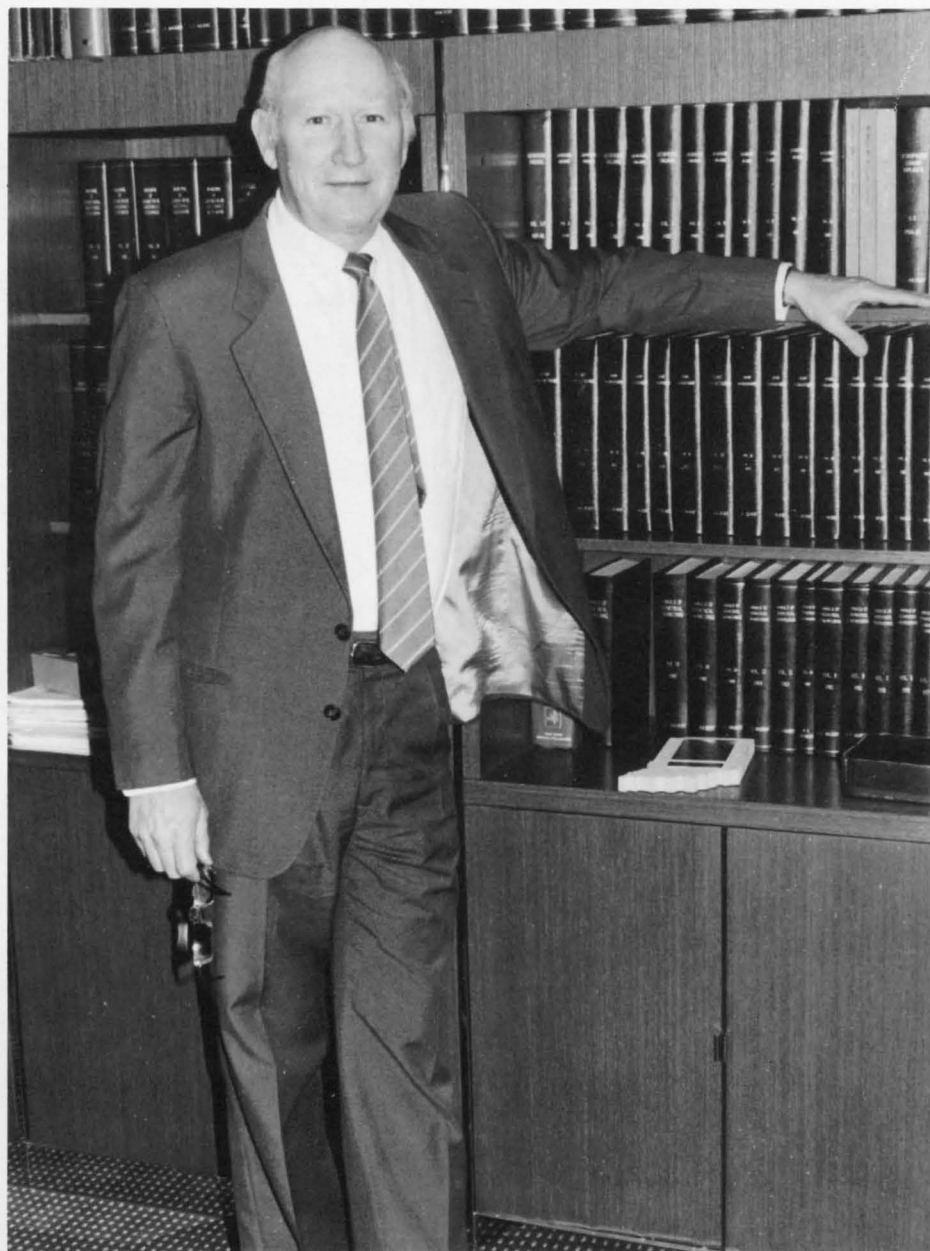




Academics & Institute

Our President

President Sam Hulbert believes that Rose-Hulman has succeeded in becoming the most exciting undergraduate science and engineering school in the world. His zeal shows as he proudly claims that "The Revolution began here!" There is no doubt that Dr. Hulbert has been one of the key motivating forces behind the thrilling changes that have been taking place over the past decade; the integrated freshman curriculum, addition of the applied optics program, use of computers in mathematics, East Asian studies, the multitude of foreign exchange programs, and the general growth in research and intellectual activity. But his enthusiasm is not limited to pride in past achievements. He believes that Rose is going to usher in the 90's, leading the way as a model in engineering and science education. He is convinced that top-notch students from around the world will recognize Rose-Hulman as "the place to be." To fully achieve such lofty goals, financial aid resources need to be increased, additional buildings and upgraded laboratory facilities need to be provided, and the student body needs more diversity, including the admission of females. But there are barriers. While Dr. Hulbert feels we have the ideas and hu-



Dr. Samuel F. Hulbert, President

man resources for the task at hand, our success depends on a good long-range strategic plan to provide for the financing and direction of the Institute. With our president to keep the vision in front of us, the barriers can and will be overcome. Ask Sam what he thinks of Rose-Hulman as we enter the 90's: "A great place. Getting even better. About to become one of those very special places . . . and you were there during the transition!"



Dr. James R. Eifert, Vice President for Academic Affairs

Taking a look at academics

Rose-Hulman continues to provide quality educational experiences for students through expanded opportunities in and out of the classroom. Vice President of Academic Affairs and Dean of the Faculty, James Eifert, cites examples of programs and activities that have contributed to Rose-Hulman's reputation for excellence in engineering education.

One of the curricular innovations is the teaching of calculus using computer work stations and MAPLE software. This program has grown from its beginnings as an experimental program to include a large portion of the freshman class. MAPLE is also being used in the teaching of differential equations at the sophomore level.

For the past two years, a group of science and engineering faculty have been designing an innovative approach to the freshman year curriculum. This curricular design has received support from the National Science Foundation, Lilly Endowment, and many corporate friends. A number of freshman will be participating in the new Integrated Freshman Curriculum in Science, Engineering and

Mathematics in the Fall of 1990. Students will be using powerful NeXT work stations as a tool for understanding the integration on science and mathematics courses.

Educational opportunities are not limited to the Rose-Hulman campus. Students also have an opportunity to participate in exchange programs in England, Germany, Ireland, Scotland, China, Lithuania, Australia, and Japan.

Rose-Hulman faculty are known for their teaching skills. Besides classroom teaching, faculty are involving students in research projects through grants and contracted research with industry. This experience provides opportunities for students to apply engineering principles learned in the classroom and has led to the presentation of papers by students at regional and national professional meetings. This year student interest in research faced a new challenge. Rose-Hulman was chosen to participate in the General Motors Sunrayce competition. Students met the challenge and designed and built a solar car to compete in the 1600 mile race.

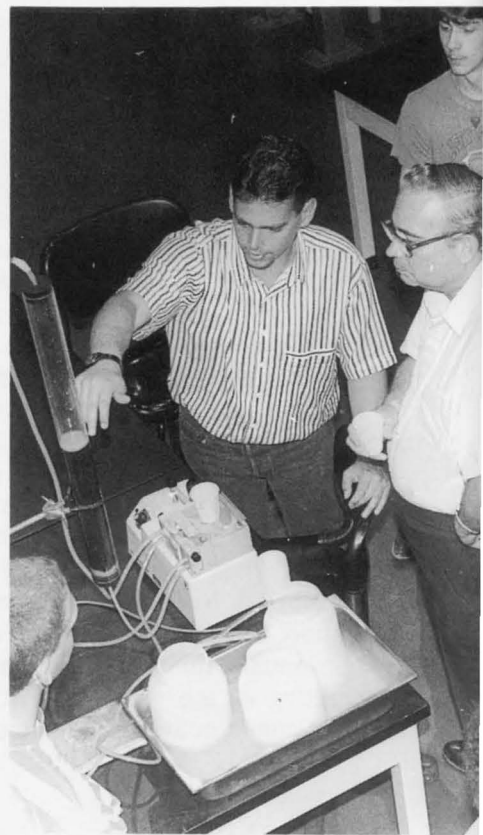
Chemical Engineering



Back: (Left to Right) Jerry Caskey, Frank Cuning, Ron Artigue, Warren Bowden, Stuart Leipziger, Carl Abegg. Front: (Left to Right) Noel Moore, Sam Hite, Donna S deker.

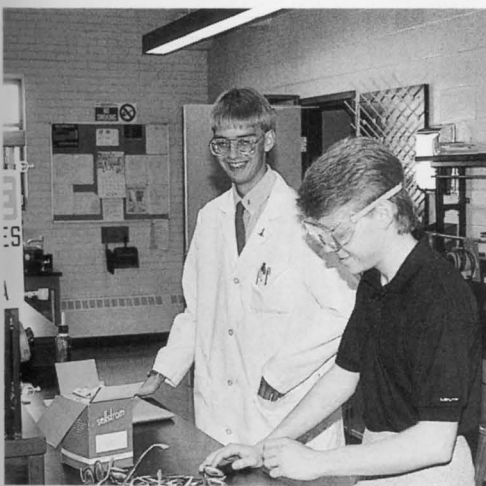
Though not the largest department at Rose-Hulman, the chemical engineering department is no less committed to providing a relevant education to each of its students. In other words, they did more than survive another year — they triumphed because they were determined *not* to say no to quality. Caught in the midst of facility upgrades and hiring new faculty members, the chemical engineering department does not falter on the brink of a new decade. Dr. Artigue described the improvements that have been made: NSF equipment grants for biotechnology, polymers, and control labs, plus the application of biochemistry within the

existing curriculum. All of this is part of staying on the cutting edge, being proactive in changing to reflect changes in industry. As with every academic discipline at Rose-Hulman, this means spending money for computers and other resources. It also means that the faculty need to stay abreast of changes, so as not to short-change the students. Most of all, it means educating aspiring chemical engineers to learn for themselves, to change with the technology, to be prepared. Close-knit and dedicated, the chemical engineering department presses on into the '90s intent on producing first-class engineers.





Back: (Left to Right) Frank Guthrie, Ben Benjaminov, David Erwin, Dennis Lewis, Ed Mottel, Howard McLean. Front: (Left to Right) Marolyn Nees, Aung Than, Bruce Allison, Neil Flatter, Kathy Samm.



The Chemistry Department has made many improvements over the past year that will benefit all Rose-Hulman freshmen as well as the chemistry and chemical engineering students.

"We take the fact that all students must take Chemistry during their first quarter at Rose-Hulman very seriously," says Dr. Lewis, chemistry department chairman. The faculty make a conscious effort to prepare students for the written technical communication skills they will need for future courses. This year there has been an increased emphasis on written prelab preparation that both makes the time spent in the laboratory more meaningful and writing the final lab report easier and less time-consuming.

The department is looking to improve their degree program in many ways. For one, they hope to get more students. The Chemistry faculty unanimously support coeducation and feel it will help their department gain students, since there are

many females that study chemistry at other institutes.

The department is also working to provide more research opportunities for both students and faculty in the '90s. An undergraduate research project is now required for chemistry majors. Major instrument acquisitions which will greatly benefit this research effort are a 300 MHz superconducting multinuclear nuclear magnetic resonance (NMR) spectrometer and several high performance liquid chromatographs (HPLC).

The department has added interdisciplinary areas of emphasis in polymer chemistry and biochemistry and may be reactivating its masters program.

All of these efforts add up to the single effort of supporting Rose-Hulman's goal of becoming the best undergraduate school of engineering and science. The Chemistry department realizes its vital role and is preparing for this challenge.

Civil Engineering



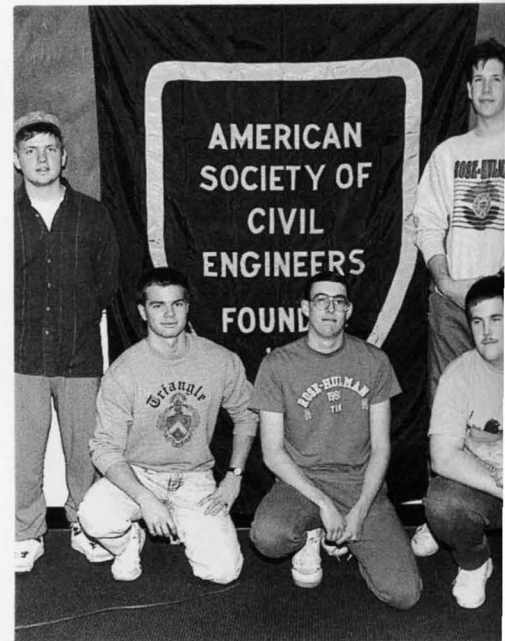
Back: (Left to Right) Cecil Lobo, James McKinney, Kathy Nicoson, Burl Dishon, Martin Thomas, Keith Royer. Front: Robert Houghtalen

The Rose-Hulman Department of Civil Engineering is looking forward to the challenges of the '90s. The department's goal is to train civil engineers to deal with the problems in their field. In the '90s, civil engineers will focus on the problems associated with hazardous waste disposal, water treatment, and infrastructure maintenance. Dr. Dishon joined the department in the 1989-90 year, and his knowledge in the area of infrastructure will be a great benefit to students.

The department hopes to increase its involvement with local industry in the fu-

ture. The 1989-90 year brought the senior design groups seven clients from the Terre Haute area. The design groups become actively involved in solving structural design problems for industries. Rose hopes to expand its number of clients and increase community involvement in the department.

The Department of Civil Engineering is working to prepare its graduates for a good future career. Civil engineers are proud to say that they keep America on the go.





Left to Right: Claude Anderson, Frederick Sullivan, Frank Young, Lynn Degler.

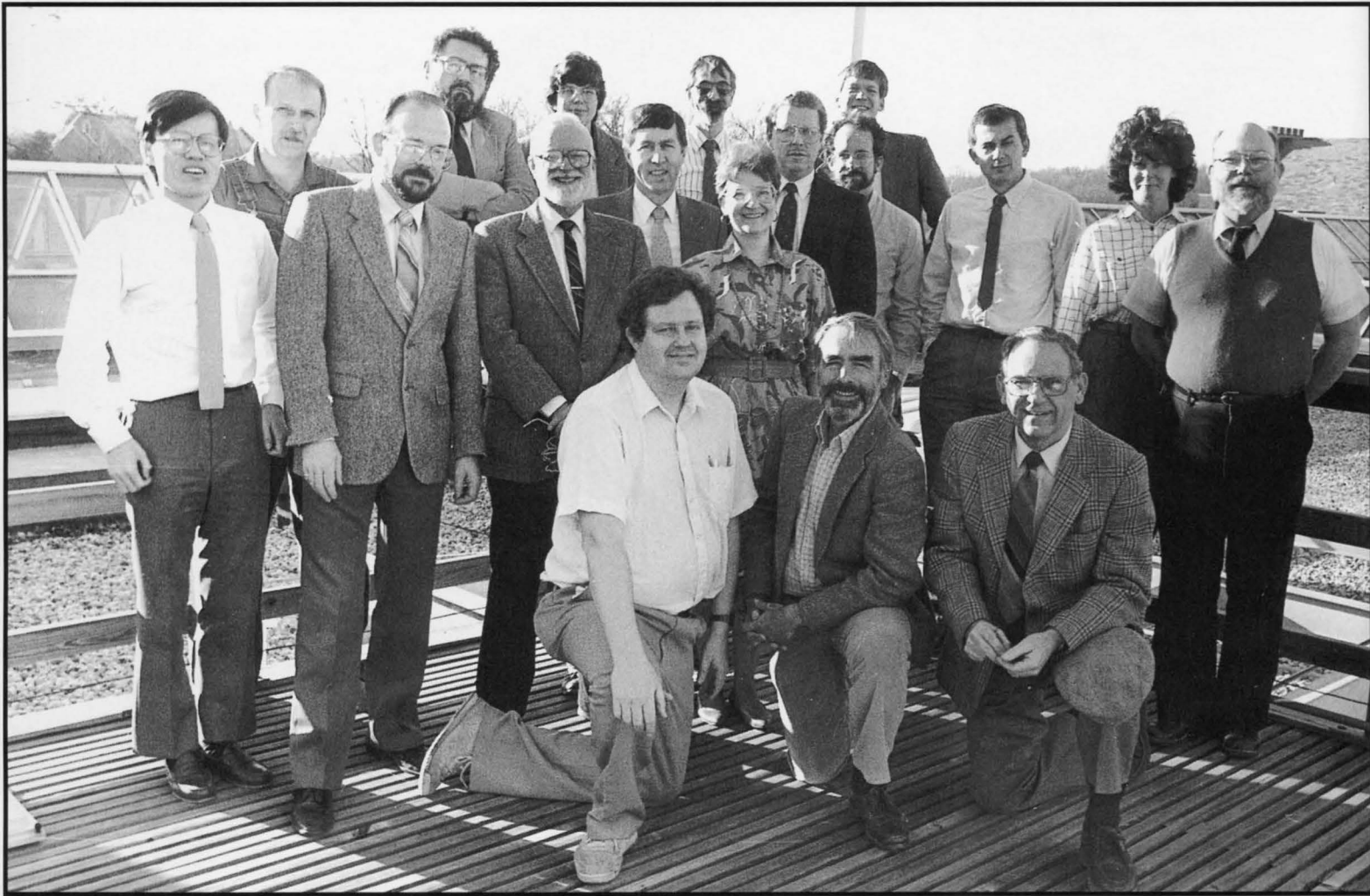


This year, the Department of Computer Science has done well to survive with limited faculty. Although having two of the five professors on sabbatical has made things difficult, cooperation of the students and support from two non-CS faculty, along with the noble effort put forth by the remaining three, enabled the department to carry on and provide a quality curriculum. In the midst of all this, the computer science department took a giant leap forward by purchasing computers to set up the beautiful new CS-lab in the basement of the library. With things changing so fast in this field, it is difficult to estimate how ready the department is to launch into the '90s, but there is no doubt that the faculty

is prepared to adapt and surge forward no matter what comes. Dr. Frank Young, head of this department, would like to see further improvements in the variety and availability of hardware. In order to be a first-rate department, he feels it will be necessary to get additional funding for a more complete lab, independent of the Waters Computing Center. This will probably go hand-in-hand with increasing the size of the major, but Dr. Young does not feel that it is necessary to become huge, as he feels the CS students are an "elite" group. In conclusion, he feels that the changes have been in the right direction and further growth is very likely.



Electrical and Computer Engineering



Front: Keith Hoover, Dave Voltmer, P. D. Smith. Standing: (Left to Right) Jianjian Song, Bill Lancaster, Clifford Grigg, Jack Derry, Henry Winton, Ruth Waite, Barry Farbrother, Bruce Black, Sue Dayhuff, Fred Brockhurst, Jeff Froyd, Mark Yoder, Jovan Lebaric, Janet Brown, Frank Acker.

The Department of Electrical and Computer Engineering has made great achievements towards its "ongoing commitment to improving lab facilities" during the past year. Dr. Farbrother, acting department chairman, feels the department's main challenge for the nineties is to continue providing background for the student in all important E. E. technologies through faculty expertise and well-equipped laboratories.

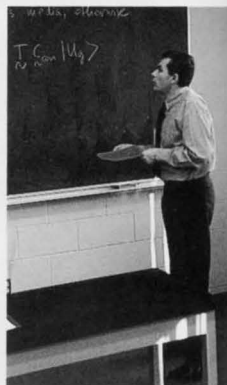
The department has won several grants that will help them achieve this goal. Dr. Hoover and Dr. Winton will be bringing digital signal processing technology to Rose-Hulman. Dr. Yoder is involved with a similar effort in the field of image processing. Both of these technologies are "hot topics" in the field of electrical engineering.

In addition to these developments in

specialized areas, grants have been awarded to improve the existing digital/microcomputer labs.

Dr. Farbrother sees that many exciting developments are taking place at Rose-Hulman right now. The Solar Phantom project has proven to be a technological challenge and excellent learning experience for the students and faculty involved. The Department is also looking forward to the freshman integrated curriculum, and Dr. Farbrother feels it will improve the students' approach to learning even past the freshman year.

Dr. Farbrother describes his year of being head of the department as "eye-opening." The Electrical and Computer Engineering faculty are dedicated to teaching their wide and useful background to the students.



Humanities, Social and Life Sciences



Back: (Left to Right) Thad Smith, Calvin Dyer, Heinz Luegenbiel, William Myers, John Ying, Peter Parshall, Maureen Krause, Dale Bremmer, Dan Maramba. Middle: (Left to Right) Joyce Adams, Caroline Carvill, Barbara Ito, Tomone Matsumoto. Front: Betty Moore, Wilford Stratten.



The HSLS department is looking forward to an exciting new year at Rose-Hulman. The integrated curriculum program will further stress the importance of HSLS electives. Students will have an opportunity to acquire an area minor in European studies, and juniors may participate in exciting new Eagle Japan program. This program offers students the opportunity to join students from ten other select universities around the country in a summer study of Japanese language, culture, and industry. Students completing this program will have the experience of a one-year paid internship in Japan.

The HSLS department will also be joining the other departments in adapting their programs to make full use of the computers on campus. Dr. Dyer and Susan Smith are working on a freshman

composition course that would use computers to aid in all aspects of writing. The department has also requested a grant from the National Endowment for the Humanities to develop a media learning center. This center would incorporate computers and video into the students course of study, and provide additional information and experience to students. Dr. Carlson is researching the Hyper-Card system currently in use at Indiana University, and consideration is being made to include this system on the Rose-Hulman campus. Professor Parshall believes that "a good education must prepare students for the ever changing global environment." The computer systems at Rose-Hulman will help students to learn in the technical world in which we now live.

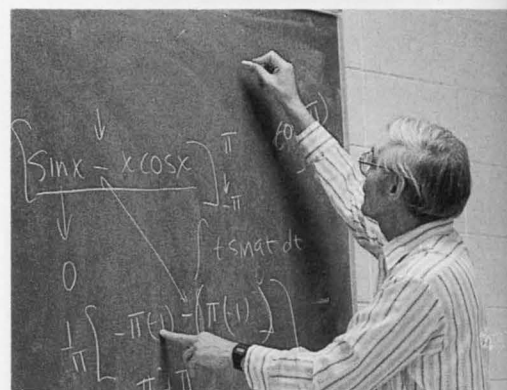
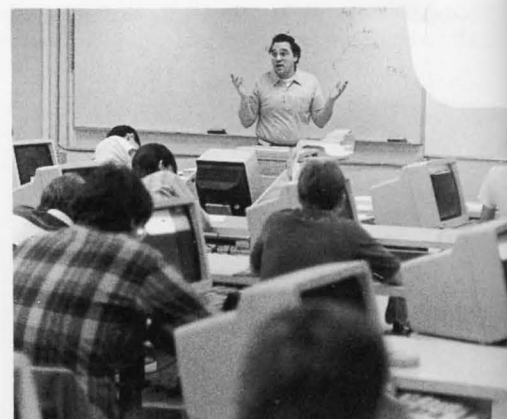




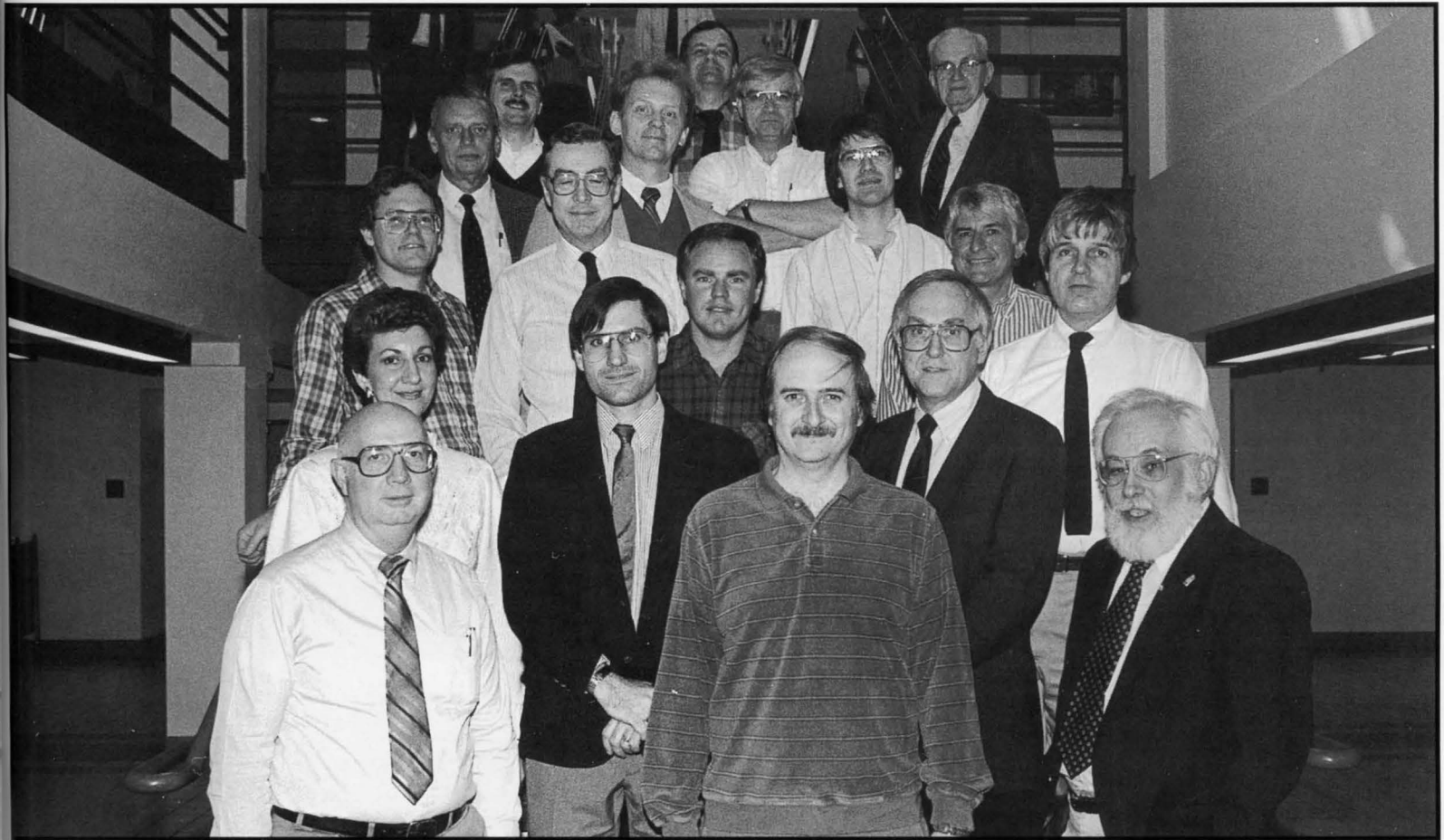
At Table: (Left to Right) Gary Sherman, Arlo Schurle, Stephan Carlson, Andrew Martin, Brian Winkel, Elton Graves, George Berzsenyi, Herbert Bailey, Robert Lopez, John Kinney, Mary Lou McCullough. Left Corner: John Jeffries, Ralph Grimaldi. Right Corner: Roger Lautzenheiser.

Rose-Hulman's mathematics department plays the dual role of a support resource for the entire school and an independent department working to graduate top-notch math majors. The two goals do not prevent this large department from uniting behind the primary focus of serving the student body. Dr. Berzsenyi, head of the department, measures success by the accomplishments of the students. By that standard, 1989-90 as a great year, with Rose teams winning the 6th Annual National Mathematical Contest in Modeling as well as the Indiana College Mathematics Competition. At the latter, 6 of 25 teams were from Rose, demonstrating that we have not lost the excitement and dedication, which seem to be waning nationally. The numbers don't lie, and when

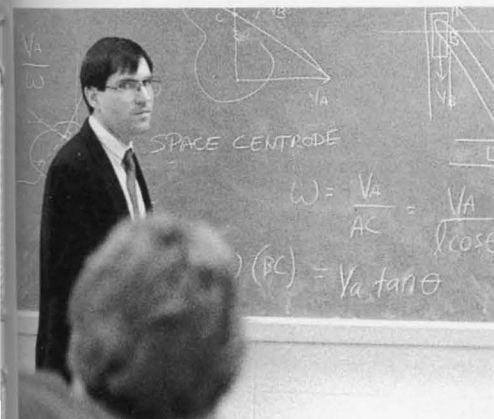
21 math students took the Putman Exam this year, it proved that Rose-Hulman is awesome. Although the math department struggles with the lack of computing resources along with the rest of the school, Dr. Berzsenyi has no doubt that his people will lead the way into the '90s. He points to the use of Maple and the advent of the integrated freshman curriculum as examples of the ways Rose-Hulman is modelling math education for the rest of the world. As they work on ironing out problems, recruiting more high-caliber students, and intensifying current research activities, the faculty of the mathematics department will continue to strive to guarantee the success of our "very competitive student body."



Mechanical Engineering



Front: (Left to Right) Mallory North, Jerry Fine, Don Morin. 2nd: Paula Duggins, Lee Waite, Darrell Gibson. 3rd: Alan Youngblood, Leland Shirely. 4th: Don Richards, William Ovens, Don Dekker. 4th: Phillip Cornwell. 5th: Robert Steinhauser, David Purdy. 6th: Andrew Mech, Wayne Sanders, Irv Hooper. Back: Daryl Logan.



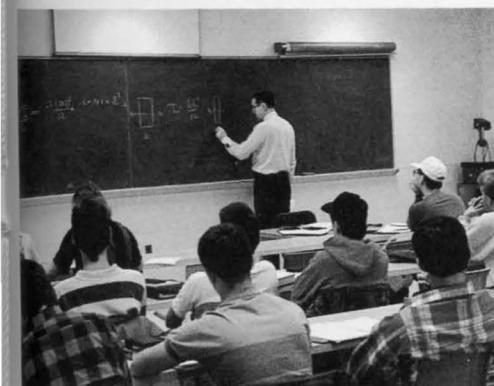
Professor Steinhauser, mechanical engineering department chairman, stresses that improving laboratory facilities and curriculum is an ongoing process. The M. E. Department is currently concentrating advancements in computer-aided drawing, fluids, controls, and open-ended projects at the junior level. Members of the faculty visited 24 schools to get ideas for these improvements.

The most noticeable changes have tak-

en place in the Rotz Lab which has been fully modernized. Improvements include a new wind tunnel, new dynamometer, and newly equipped engine labs.

Two courses that previously were taught only in the classroom, fluid mechanics and control systems, now include laboratory investigation as well.

The M. E. Department will continue to make improvements in these areas and many more into the 1990s and beyond.



Military Science

Army



Back: (Left to Right) Msg. Patterson, Bob Barker, Cpt. Mendonca. 2nd: Cpt. McKee, Maj. Struble, Maj. Swisher, Cpt. Gullett. 1st: Maj. Seiter, Maj. Phillips, Ltc. Askew, Anna Lee, Peggy Grant.

Air Force



Left to Right: Lt. Col. Ted D. Wright Jr., Capt. Paul F. Keresztes, Capt. Jonathan M. Cooper, Capt. Jeff Handley, TSgt. Gary L. Kyrouac, SSgt. Mark D. Stewart, Ms. JoAnne Seybold, Mr. Jim Bird.

Rose-Hulman has gained nationwide recognition for having one of the finest military cadet programs in the country. Rose has always been in the top five largest operating units in the country, and is noted for turning out top-quality officers.

The 1989-90 school year brought many new faces to the ROTC staff at Rose-Hulman. Both the Army and Air Force ROTC groups have restructured their programs on campus to better suit the needs and desires of the students. The new staff has helped to build an ex-

citing new atmosphere to the program at Rose-Hulman. Unfortunately national cutbacks on military spending have taken their toll on the program. The ROTC scholarship now pays 80 percent of the student's tuition instead of the full amount, but with the quality of students applying at Rose almost every applicant gets a scholarship of some type. The department believes that if the school were to enroll females in the near future the ROTC program would greatly improve.

Rose-Hulman and the Army/Air Force

ROTC programs work together with faculty and administration to provide the greatest benefits to the Rose-Hulman atmosphere. Students in the ROTC program are happy with the benefits and experience gained through the program, and the military staff is proud to be involved with student athletic programs at Rose.

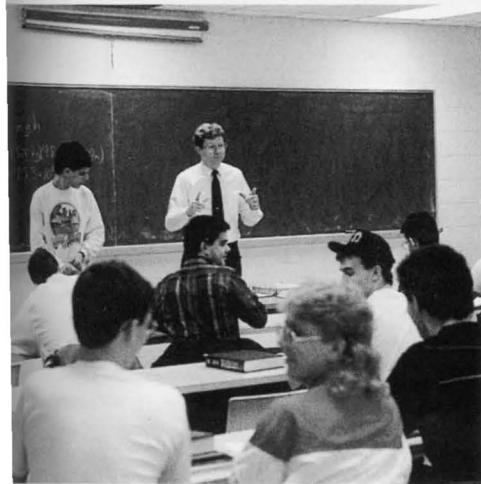
The ROTC program is truly a benefit to Rose-Hulman, and all members involved are proud to continue the tradition of excellence into the '90s.

Physics & Applied Optics



Left Column: (Back to Front) Bruce Danner, Arthur B. Western, Michael J. Moloney, Brij M. Khorana, Xuanguo Shen, Azad Siahmakoun, H. Philip Stahl. Middle: Jerome F. Wagner, G. C. Kyker, Paul R. Mason, Charles Joenathan, Yu Wang, Michael M. McInerney. Right: Richard Dittion, Gary Burgess, Patricia Krupa, Chris Eichelberger, Erhard Krumpholz.

This year the Department of Physics and Applied Optics celebrated the graduation of the first applied optics majors from Rose-Hulman. Although the program began only two years ago and should not have any graduates until 1992, a few bold students pushed forward, daring to be the guinea pigs. And in accordance with the great Rose-Hulman tradition of staying on the cutting edge, the department came through. Although Dr. Brij Khorana admits that it was a little rough at times, it is this very determination and progressive thinking that has him convinced that the physics and applied optics department is ready for the '90s. Industry and graduate schools are responding favorably to Rose-Hulman's physics graduates, and as R&D projects come in through the recently formed Center for Applied Optics, the department is able to be flexible in adjusting its curriculum to meet the needs of the future. Over the next decade, Dr. Khorana hopes to see barriers dissolve, with the upgrading of antiquated equipment and increased lab space. Of course, this will take money, but there is another potential obstacle to success which does not hinge on the financial issues: incoming students are often inadequately prepared for engineering and science studies, particularly because of a weak foundation in physics. According to Dr. Khorana, part of the solution probably lies in Rose-Hulman going coed and thus broadening the field of applicants; however, a more far-reaching solution, and one which has already begun to be implemented at a regional level, is for Rose-Hulman to provide guidance to high-school teachers and administrators. As this is accomplished, Dr. Khorana will see his goal realized, not only for Rose students, but for millions of high-school students as well. His goal: "I want all students, especially non-physics and -applied optics, to know that physics is the basis of engineering." When they take introductory physics courses, they should be asking themselves, "How is this related to my major?"



Campus Services

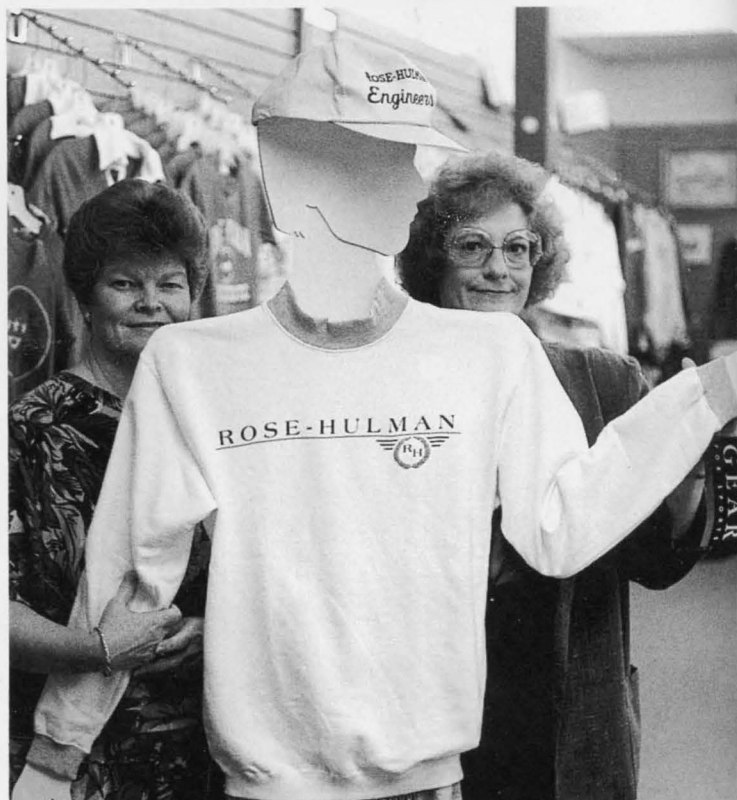


Union Staff: Irene Mitchell, Donna Gustafson, Steve Brankle.

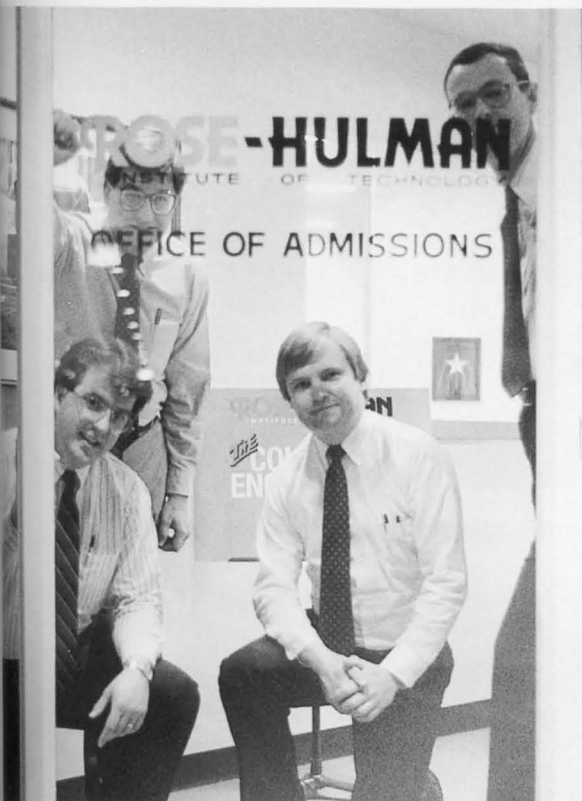


ARA Food Service: Colette Tanoos, Doug Klunk, Loretta Steuer.

Bookstore: Pat Jeffries and Anita Creasey.



Campus Services



Admissions: (Left) Jim Goecker, Chuck Howard, Brian Dyer, Timothy Prickel. (Bottom) Nancy Helsper, Pam Hamilton, Jane Staley.



Library Staff: Sondra Nelson, Margaret Ying, John Robson.



Administrative Services: Steve Miller, Steven Cox, Jack Bagley. (Front) Karen Pershing, Paulette Irwin.

Registrar: Phyllis Phegley, Lou Harmening, Sue May.

Left: Polly Seamon, Art Curator.



Administration



Dean Jess Lucas



Pete Gustafson



Paul Steward



Tom Miller



Luann Hastings, Tola Johnson, Kathy Gambill, Kim Jones.



Diann Ringo



Barbara Garvin



Gloria Rogers



Linda Gilbert



Placement: Jaynie Casey, Bill Sisson, Sonnie Hill.



Development: Janet Newman, Ron Reeves, Carol Wetherell, David Land, Marcia Miller.



College Relations: Dale Long, Bryan Taylor, Donna Burns, David Piker.



Alumni Affairs: Phillip Purcell, Tony Wellings, Jim Schwartz, Bettie Evinger.



Tom Mason



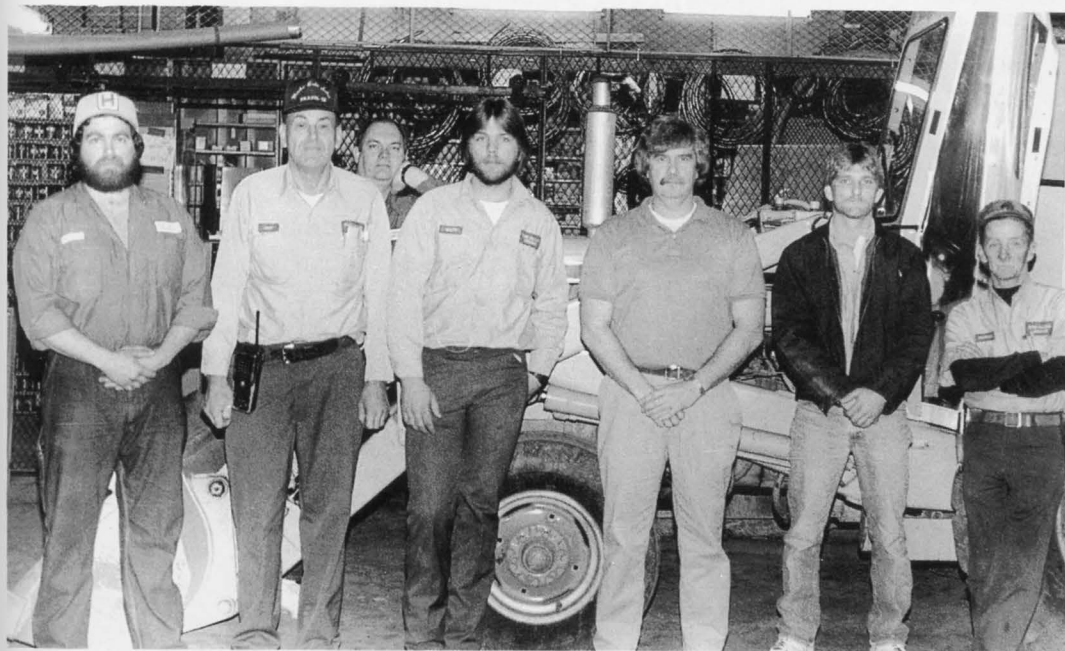
Computing Services: Mark Monnin, Top Roper, Mary Anne Pierce, Jeff Davidson, Sue Storckman, Nancy Bauer, Kevin Davidson, Bernie Timberman.

Business Office



Front: (Left to Right) Kelly Henson, Jan Jerrell, Connie Bell, Glenn Heidenreich. Back: Annette Brainard, Phyllis Proctor, Rob Coons, Betty Dyer, Billie Holechko.

Campus Services



Grounds Staff:
Front: Allen Donnelly, Jack Whittington, Matt Pink, Ron Slight, Dean Murphy, Howard Smith.
Back: Ron Hicks.

Housekeeping:
Left to Right: Harry Gordon, Ron Slight, Helen Backfish, Walt Ellis, Roger Auterson, Frances Foster, Cheryl Pershing, Richard Mott, Judy Coley.



Maintenance:
Front: (Left to Right) Ron Carney, Tom Thompson, Gerald Hartsock, Bill Wilson, Jeff Peak, Bruce Smith, Cecil Fennell.
Back: Tom McConnell, Bill Lawson.
Forklift: Tom Terry

Modulus 1990





Student Life

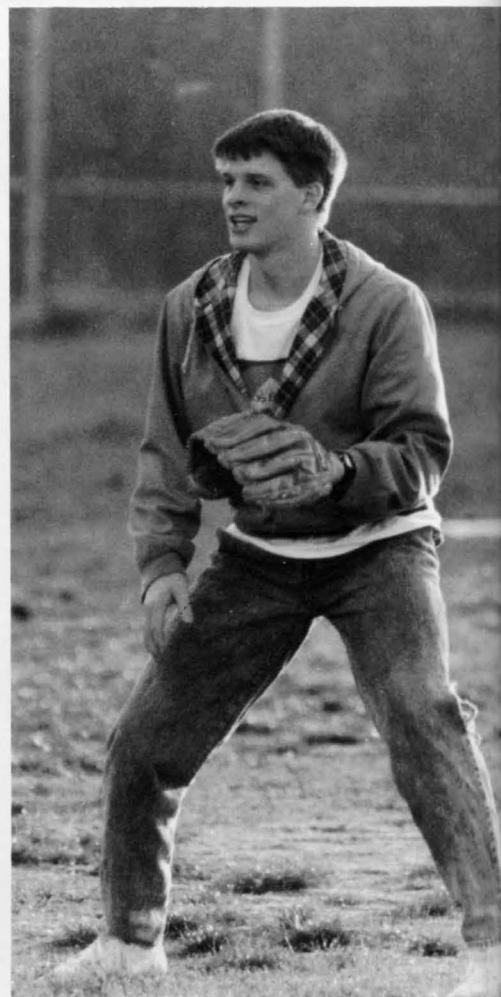
Intramural Sports

By Kevin Cahill with Photography by Joe Forler

Okay, so what if I don't make the varsity football team? Hey, what if I want to play soccer in the winter? Forget it — I just don't have time for the basketball team! Introducing . . . intramural athletics!

Intramurals offer Rose students competition, fellowship and a good time year-round. Teams are usually organized by fraternities, residence halls and commuters. These teams are then scheduled to compete regularly, culminating in an elimination tournament at the end of the season. A large percentage of the student body participates, and by the time the championships roll around, most students are taking the competition pretty seriously.

Fall football and softball help get the upperclassmen back into the swing of college, and they help the incoming freshmen build friendships. Because IM's do not take a lot of time, everyone can participate and keep in shape. The sports actually contribute to the education process





by helping students to stay healthy and feel good.

Winter intramurals include indoor soccer, basketball and volleyball, not to mention bowling. These sports are especially important because without them, many students might choose to hibernate all winter instead.

In the spring, many students are still vying for the championship basketball or indoor soccer title. Others are moving on to more volleyball and softball or gearing up for the intramural track meet.

The beauty of IM's is that there are so many sports to choose from, and no one has to limit himself to just one. Intramural athletics at Rose-Hulman . . . Check 'em out!

On the 'Bash

An Inside Look at Our Hometown Away From Hometown

The three freshmen sat on the floor in my room, gazing at nothing — absent of thought. I was playing with my Music Studio program on the computer, entering some middle-eastern drone in G-flat. I was wondering when one of them was going to ask. I didn't want to bring it up because I was an upper-classman, and we aren't supposed to be anxious about anything — but I was.

"Hey, Dave!" Thank God. One of them spoke. "What is there to do in Terre Haute on a Friday night?"

"Well," I didn't want to act too excited, "I dunno. What's on at the Indiana Theater?"

"Kickboxer. It sucks."

"If you can't find anything else to do, I guess we could ... naaaahh ..."

"What? What could we do?" They were excited.

"Well, I suppose we could, um, go cruise Wabash or something."

"Cruise what?"

"Wabash. The 'Bash. It's the most awesome thing to do."

"How so?"

"It's kinda like following the rainbow. Only at the end of this rainbow, there's a huge pot of social wonderment!"

"Social wonderment?"

"You'll see."

The four of us lumbered into the Magic Malibu for a trip through the center of the universe. I deliberately took a circuitous route to avoid the 'Bash going downtown. We made our appearance in front of the courthouse. We turned left onto U.S. 40 (the 'Bash from U.S. 41 (Third Street, or if you prefer, "Dixie Bee Road"), having just passed a "No Left" sign. While in the wrong, we were in the right about turning left — everyone else was doing it.

"That is totally awesome!" Jim shouted.

"What's that?"

"The dude in front of us — he's got one of those things around his license plate with the flashing lights!"

"Wow!" The others were equally astonished. I remembered my first trip down the 'Bash. I was equally amazed. Now, as an upper-classman, I still really enjoy cruising the 'Bash. It's not the excitement — I'm used to that. It's the good feeling I get from doing something for the kids — enlightening them, if you will, for good reason to finish their homework.

"That guy also has a Confederate flag sticker in his window!" We stopped at the light. Now it was my turn for excitement. I gazed in awe (O.K., so I drooled a little too) at the voluptuous creation in the parking lot — the one with the Camels. She was with some friends, also pure women from head to toe. Brian commented that the red-headed one was the most beautiful girl he'd ever seen wearing a Skoal cap.

The light turned green and five thousand trumpets signaled me to continue on my voyage through the heavens. "Dave, what are those big racks in the backs of all the trucks?"

"Those are gunracks." A silence filled the car.

"Why for?"

"They have them mostly for combat against the non-believers."

"What do you mean?"

"There are some people around these parts that don't believe in the 'Bash."

"Who are they?"

"Don't worry about it. You'll know 'em if you see 'em."

By the next light, we had cheered up again. The windows were down and the radio was tuned to the same station as everyone else's.

"And now we've got one coming up for Jenna, Tammy, Nina and Sherrie. They're on the 'Bash tonight and ... which ones are you?"

"We're the ones with the Camels — we're at the first lot!"

Awreety-awrighty ladies! For them, the ladies with the Camels on the first lot along the 'Bash, this is for you — 'Wild Thing'! Are you ladies wild things?"

"Squeak!"

The announcer's rambling and the girls' giggling and squeaks faded out as the song began.

Wabash, I think you move me! ***

"Hey! Slow up, man! I've got to check this one out!"

"Hot prospect?"

"Very!"

She was more beautiful than the girl we'd witnessed at ARA. She was walking by the park. She was a natural woman — no artificial ingredients or preservatives. She had enough body for two women. Gorgeous!

CRUUNNCH

"What the hell did you do that for? Are you blind?"

"No, man, I'm sorry. I didn't see you. We were watching her."

"Her?"

"Yeah."

"Holy cow, man, she's awesome. If you was watching her, I understand, man, I mean ..."

We left while he was still drooling tobacco juice so that maybe we would be far away by the time he realized we had broken the flashing lights around his license plate. He had a gunrack in back.

We whisked the remaining five blocks to the pot of social wonderment and turned in. We were met by two hundred thousand newfound friends. We stopped and raised the hood, alerting others to our presence.

"Who's that?" Jim asked.

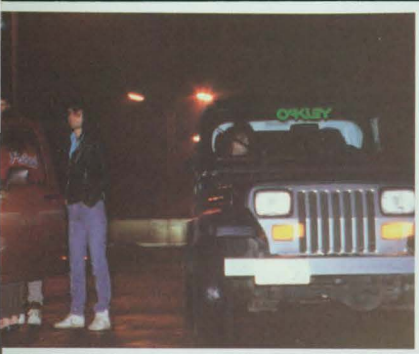
"Hey everybody, we better get out of here!" the lookout shouted. At once, all two hundred thousand of us slammed the hoods down, revved our engines and sped out any available exit. Lucifer, with his flashing red lights, was on the trail. Although our trip was cut short by the 'Bash bandit, the freshmen had now had the best times of their lives in Terre Haute.

Wabash, I think I love you! ***

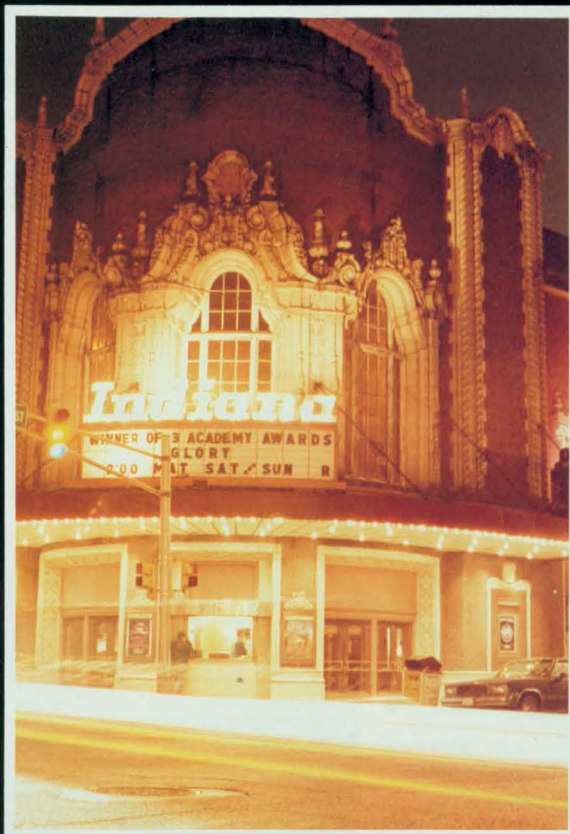
By David Whitworth



Top: South 3rd.
Middle: The Vehicle of Choice
Bottom: Rose-Hulman Mallers



The Center of Houtian
Democracy



The \$1.50 Theatre

Layout and Photography by
Matt Morris and Joe Forler.



At left, Jody Snodgrass pretends to be doing homework.

Right, Kyle Powell deals with the situation of having no phones in the students' rooms.

Senior R.A. Roger Norris helps freshmen on Speed II explain the adhesive properties of masking tape.



Above, Scharpenberg residents don't discriminate against animals when watching TV in the lounge.

Keun Lee conquers the Thursday night laundry.



A Place To Call Home

Layout and Photography by Michael Keeney

"It's not a dorm, it's a residence hall. Get it right!"

The words of Ken Swank still echo in my head.

"Well, whatever you call it, I call it home."

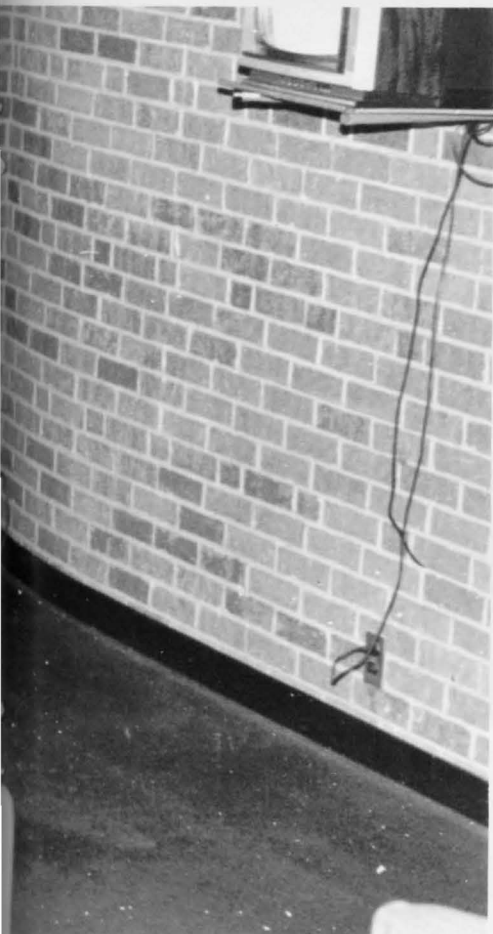
As bleak as the notion may seem, the residence hall, as Rose-Hulman calls it, is home for many students during the school year. Sure, you're from whatever town your parents live in, and you may still refer to their house as "home", but what if your parents move to Florida when you leave for school? That actually happened to Rick Stroud, a junior on Mees I. You might get used to calling the residence hall your home, as he has.

For most students, residence hall life isn't exactly like life at home. Living in a residence hall means doing your own laundry and, if you have a loft, it means changing your own sheets. The housekeepers are great, but they aren't acrobats. In ad-

dition, living in a residence hall means sharing a lounge and a TV. When the I.U. game comes on and the TV is under the grip of a Ricky and Lucy fan, you have to resort to the generous guy with the portable B&W in his room.

One of the better aspects of living in the residence hall is that students are given lots of freedom. Sure, the beer has to stay in the room and the girls have to be out by midnight, but how many times have you had beer and girls in your room before? Instead of being over-protective like parents are apt to be, the R.A.'s generally only step in when you're going to get yourself in trouble. They act more like big brothers than anything.

Although the residence hall isn't the most appealing place to live, it seems like a pretty nice place compared to being in class or at work-study. All in all, it's a good place to call home.



Above, Freshmen Eric Link and Ron Shaffer couldn't get control of the lounge TV.

Left, Steven King watches MTV in the Mees Lounge with Mike Thomas.

Watch That Diet!

Layout and Photography by Scott Webb and Joe Forler

Fat BAD; Fiber GOOD. Sodium BAD; Calcium GOOD. Monitor your cholesterol and eat your oat bran. Remember all the lessons we learned about a healthy diet in the eighties? Chances are, if you are a Rose student, you have let a few of the rules slip.

"Eat right and exercise" is a good rule to live by. Here at Rose the exercise is no problem. Most students participate in either varsity or intramural sports. Many of us lift weights, go jogging, play racquetball, goju, or get our workout with the Army at P.T. It is the EATING RIGHT that seems to give us so much trouble.

As long as you are eating at ARA, you have the nutrition available to you.

But can you stand to eat it? Such items as the liver and onions, Hawaiian tuna rounds, and battered perch are undoubtedly good for you. Somehow the tacos, burgers, ice cream, Crunchberries, and Lucky Charms always seem more appealing though.

ARA serves three different entrees at each meal, and there are always salad bar and ala carte sandwiches available. Eventually everything will start to taste the

same. Everyone knows what universal ARA red sauce is. It's what makes the chili taste like the spaghetti, the ravioli taste

like the potato boats, and the french dressing taste like the strawberry Hi-C. When this happens it's time to blow some scarce money and free time to fill that tummy at one of

Terre Haute's many fast-food restaurants. Gather up the coupons and hit Hardee's or wheel into Rally's. If you hurry there may be time to cruise the Wabash once or twice.

If the hunger pangs hit past midnight there is only one thing to do . . . go Krogering. At Kroger's there is a special health food section. There one can pick-up rice cakes, dried figs, fresh celery, trail mix . . . next aisle: Little Debbie's, Krunchers, and Mountain Dew.

Rose-Hulman commuter students have a pretty good stash at home or at the fraternity house.

For lunch, they usually bring some fresh fruit and baloney sandwiches. The worst pitfalls of the commuter diet are the Worx and the vending machines. The vending machines are a good place to get such delicacies as microwave popcorn, snowballs, and Beanie-Weenies. You can also talk to the many professors who congregate there. They have to get their daily fix of coffee, Coke, or microwave popcorn as well.

The one truly healthy food that we all love is pizza. It is so nutritious it contains ingredients from all five food groups. Whether it's Pepperoni Lover's from Pizza Hut, Pan Pan from Little Caesar's, the Monster from Noble Roman's, or the \$5.95 special delivered in less than 30 minutes from Domino's, pizza seems to be the solution to the worst of all our prob-

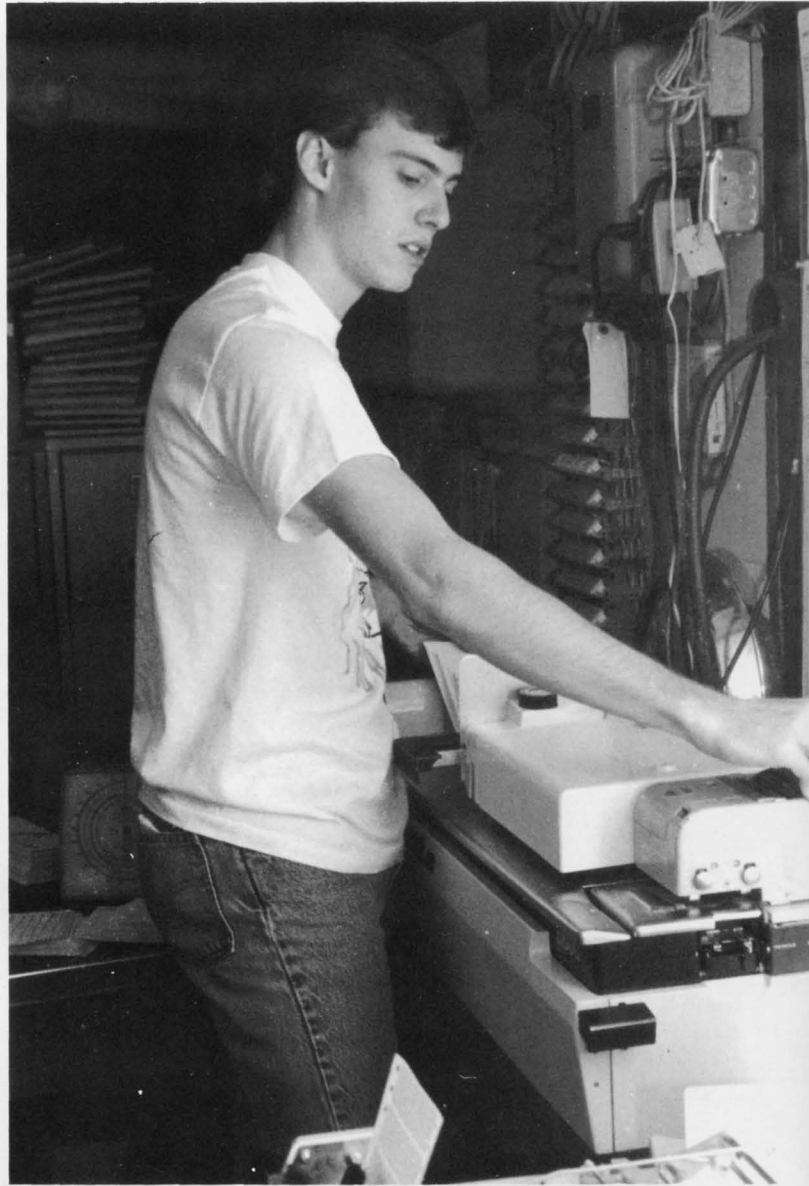




Men at Work

Rose-Hulman, as we all know, is full of challenges. Aside from academic pressure, financial struggles are one problem which most of us are facing. Fortunately, there are a number of loans and scholarships available to qualified students. One of the most widely offered opportunities is work study. It is a federally funded program in which a school gets a certain amount of money from the government each year and then distributes it to approved applicants who are willing to work for it. In most cases, there is not enough money, and so the school is responsible for providing the rest.

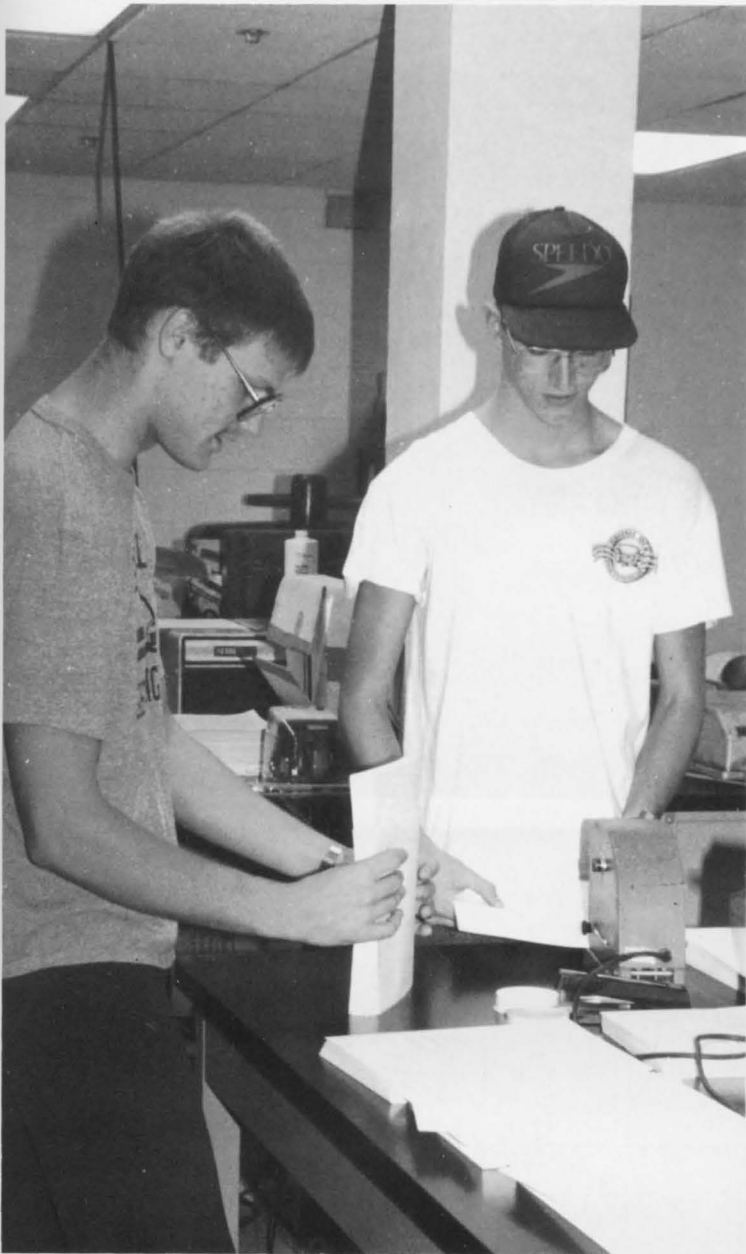
According to statistics this year there were 715 students awarded work study. The typical award is about \$900. This means a total amount of \$640,000! However, we receive an average of only \$100,000 per year from the government — how is Rose supposed to come up with the remaining \$540,000? The answer is that not every one collects his full award. Some might decide to work off-campus and not accept the award at all. Others find that they do not have enough time to earn the full amount allowed. Such cases reduce the number of student workers to around 200-300 per year and bring the total amount of work-study money down to a manageable level. Work study and other campus jobs have become a common aspect of college life for many students. From mailroom to mowing grass and typing to tutoring students, work study is one more activity for the already active Rose-Hulman student's life.



Top: Freshman Jason Bilsland is busy stamping in the Development Office.

Bottom: Sophomore Michael Mazur logs some of the numerous incoming mail.



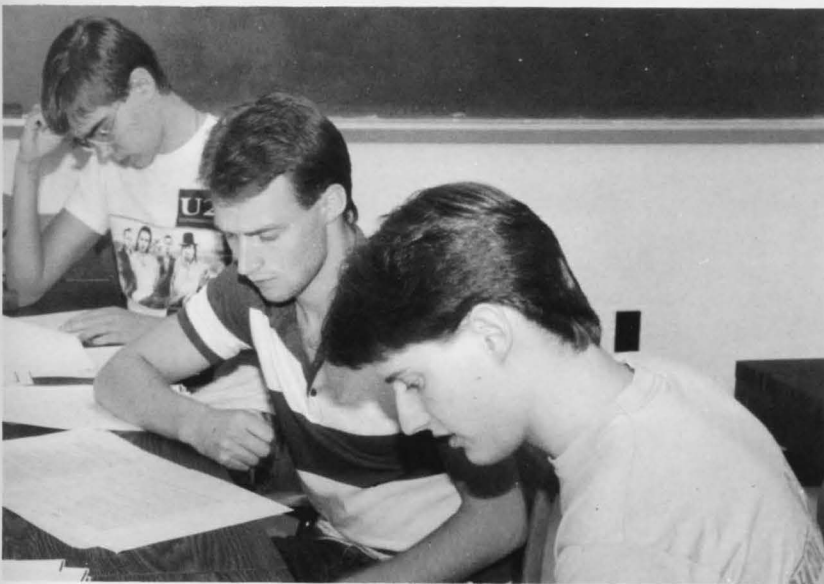


Top left: Greg Poska and David Huff bind books in the Print Shop.

Below: Mark Brehob assists Kent Flint as Rick Stroud looks on Waters Computing Center.



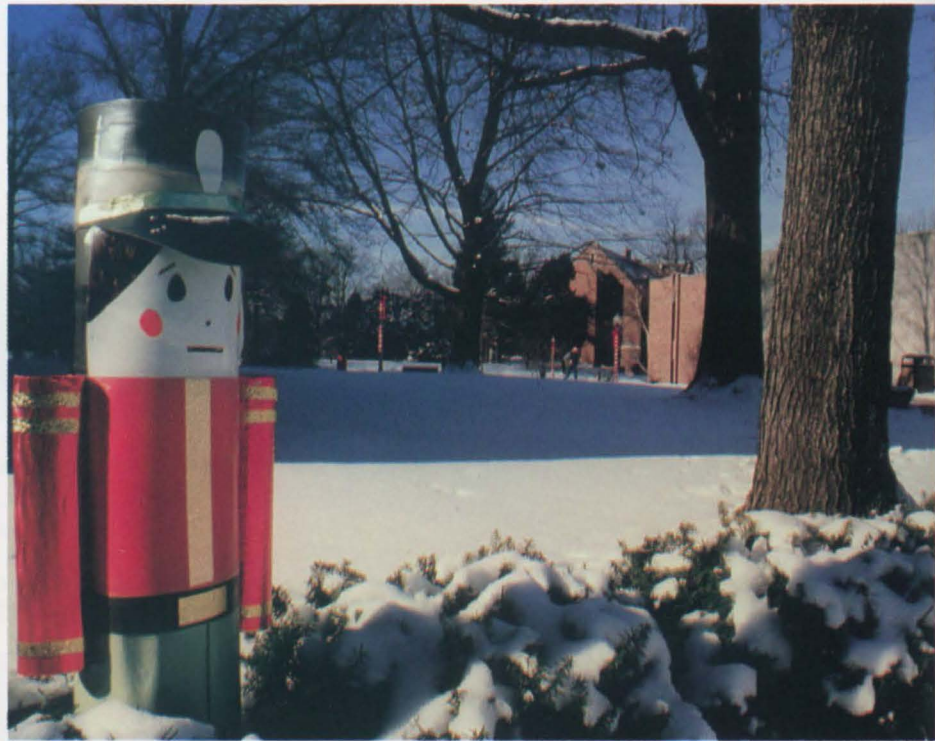
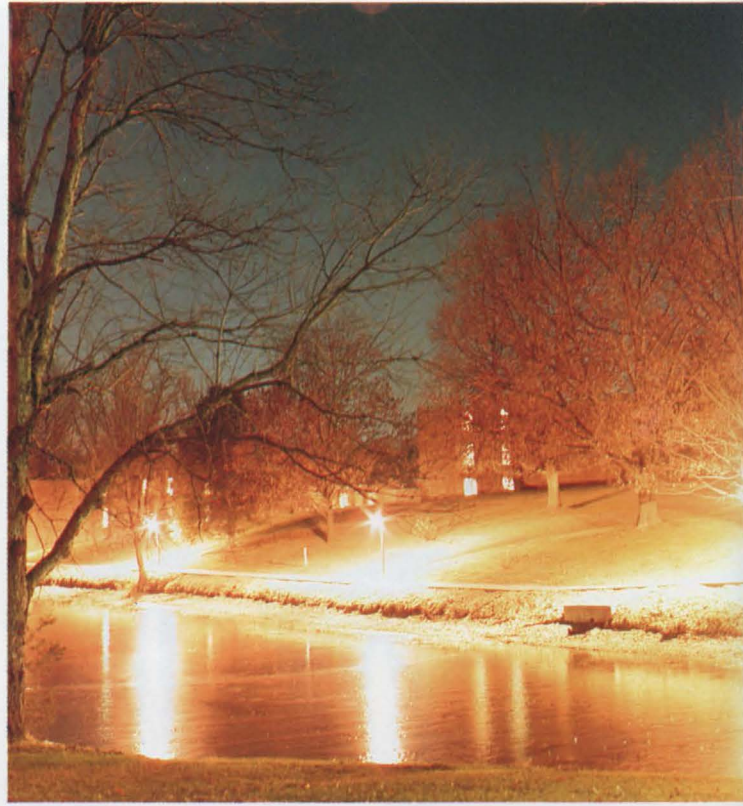
Bottom left: Learning Center tutors Mike Poisel and Adam Griner review papers.



Layout and Photography by Wilfred Wong

Men at

Silence is Golden

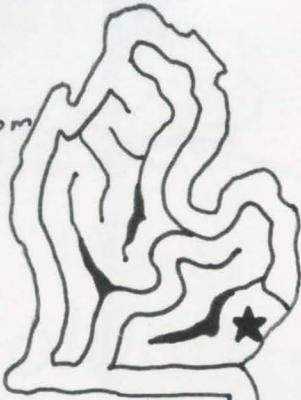




Life at Rose sur ain't no joke

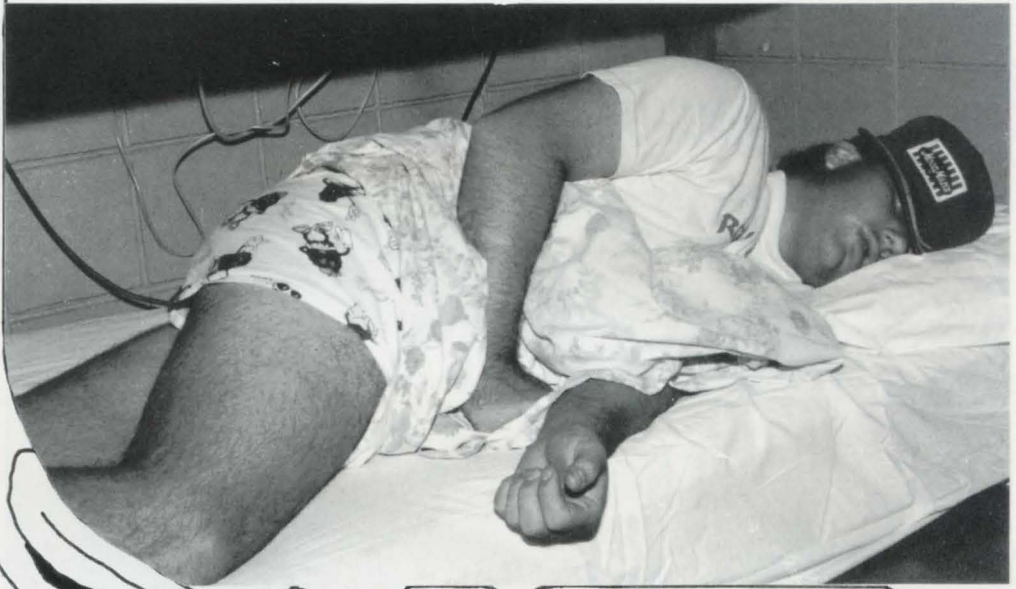
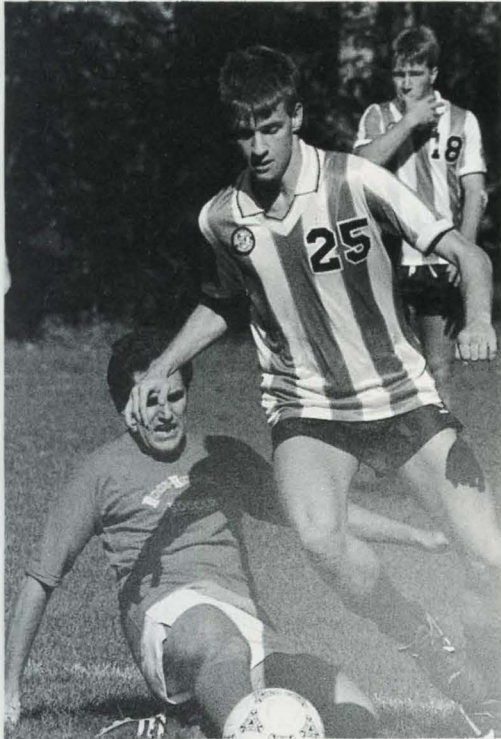


LONG way from Home!



In Search of a Clue

To their horror, students find that Rose-Hulman is moving up in the world, and in the nineties: cluelessness is out!



Above: Rob Riggins and the California Raisins. Left: Happy Birthday, Mike Brier! Below: RCF redefining the word "weird."



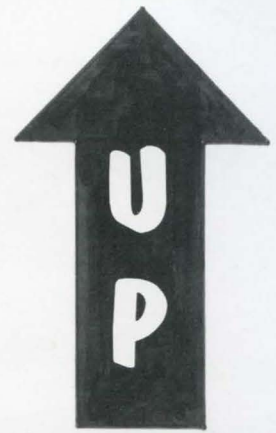
DARE TO



BE WEIRD!

but take a look at things **FUNNY SIDE**

Layout and Photography by Tom Bogle



Now that Rose-Hulman is on the brink of becoming the world's finest engineering school (and going co-ed), students and professors alike have joined the mad scramble for clues. After an era of intense cluelessness, this sudden shift is causing a lot of confusion. But down at the geek center, they have good news; the VAX went into batch mode and generated enough clues to carry us through the next century. For example, clue #231,472,197 reads "SYNTAX ERROR." Hmm . . . while they try to get things straightened out down there, we might as well try to pull together a few clues of our own:

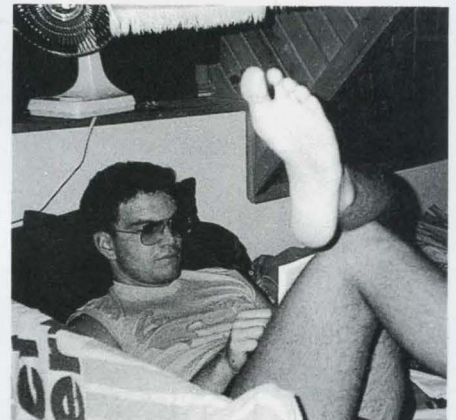
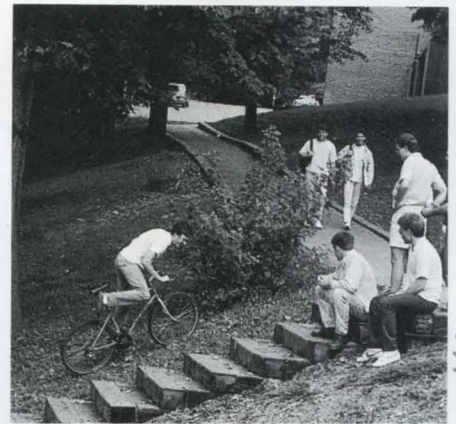
CLUES FOR STUDENTS:

- * Do not speak up in class . . . you might wake up the professor.
- * Learn your professors' names, for use when they are present.
- * If you stay up too late to attend class the next morning, call your professors before you go to bed to inform them that you will not be attending.
- * Politely inform professors when they say stupid things in class (i.e., when you don't understand them).
- * Disconnect your smoke alarm before lighting bonfires in your room at night.

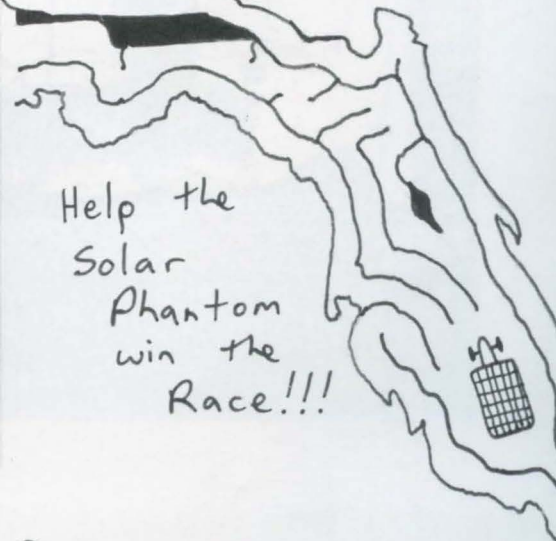
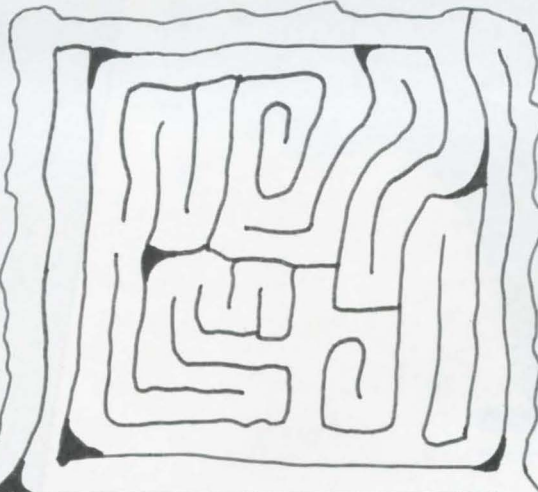
- * Don't climb the trees in the Union.
- * Academic fitness means using your brain to find creative ways to blow off.
- * When prospective students come to visit, pretend you like it here.

SPECIAL CLUES FOR PROFESSORS:

- * Do not bore your students.
- * Do not assign homework on Tuesdays, Fridays, over holidays, during busy times, or on other weekdays.
- * The best way to insure a C average is to give all F's at mid-term and all A's for final grades.
- * Pop quizzes only inspire cluelessness and should thus be avoided at all costs.



Top: Moving' up in the world. Above: Dennis Moore's amazing foot. Below: Cheerleaders' amazing feat. Left: Revenge of the geeks!



Keep on
Truckin'
Yoko



-You
Bet!

Hey! You
goin' to
the race
???



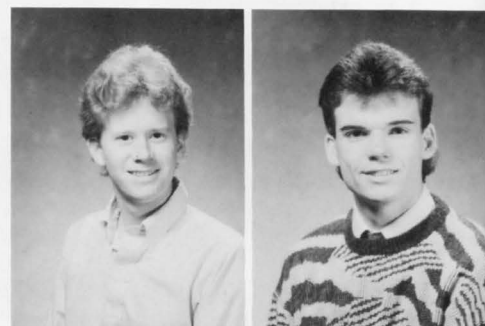




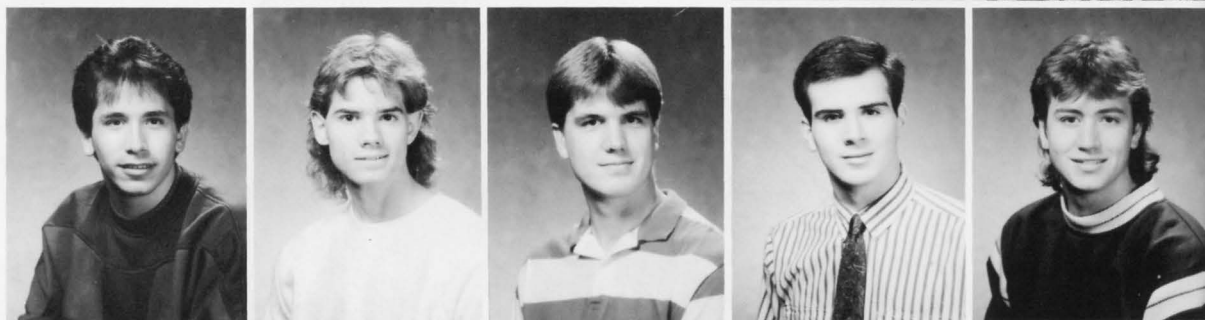
Portraits

Freshmen Class of 1993

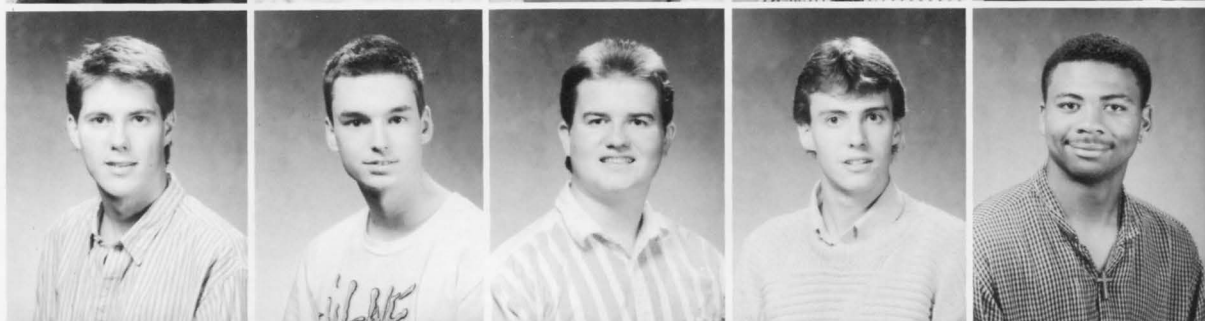
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John Allen



Enrico Antonini
Robert Arlt
Kyle Arnold
Bruce Artman
Charles Arvin



Scott Beach
Don Benningfield
John R. Biddle
Jason Bilsland
Carl Boston



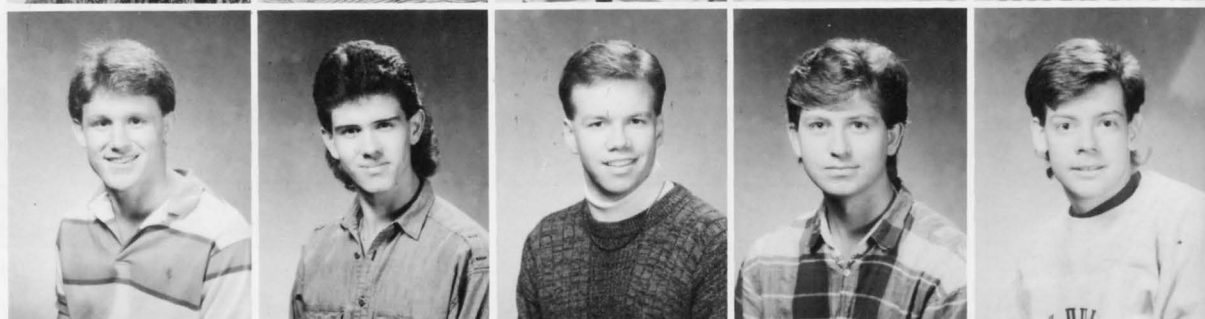
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Brent Brewer
Jeff Brier
Brian Brown
Chad Brown



Jason Brown
Caleb Buchanan
Brice Bucher
Kevin Cahill
Richard Campbell

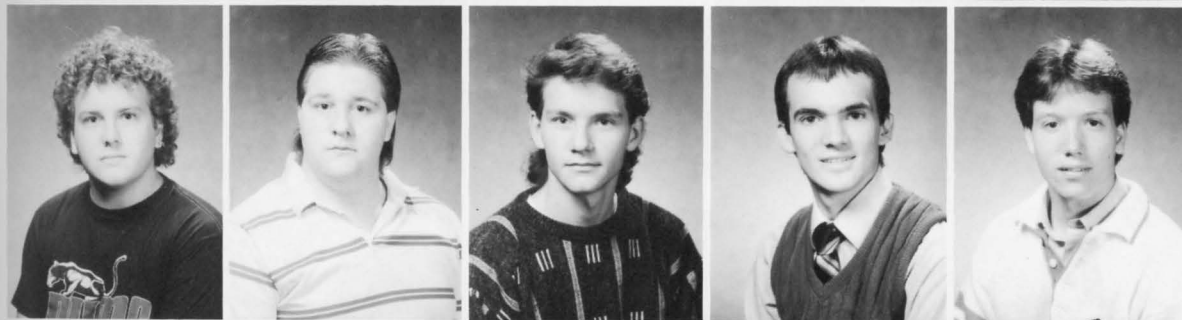


Sean Chambers
Michael Cole
Richard Comer
Charles Cooper
Chris Crosby

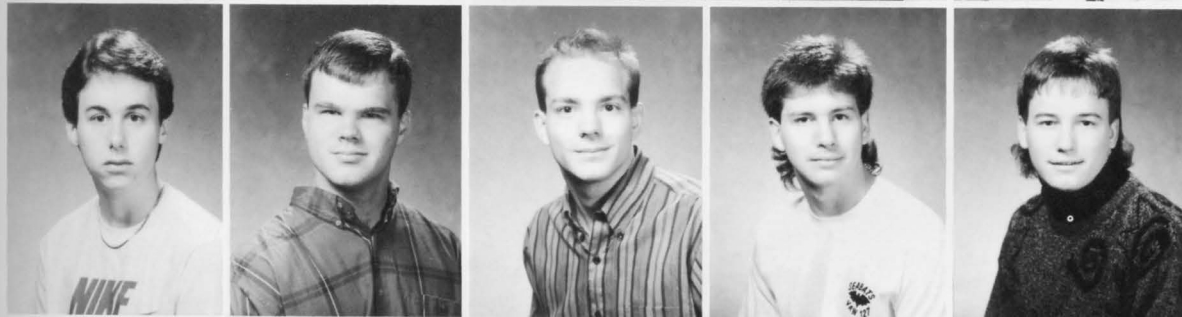




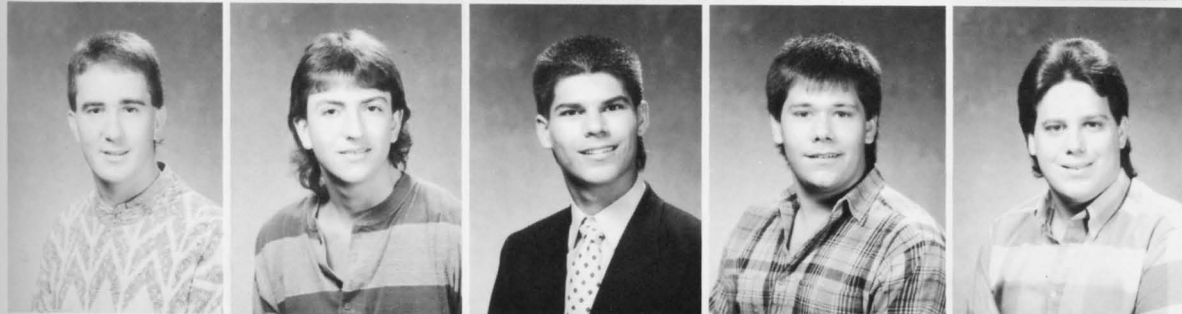
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Kevin Davis
Mitchel Deckard
David Devore
Todd DeVore



Mark Didat
Kenneth Dienes
Greg Dixon
Brian Dougherty
Jeffery Dove



Robert Dove
Bryan Drummond
Bryan Duffy
Max Dugger
Steven Dunn



Mike Farrell
Paul Fathauer
David Fischer
John Fleck
Travis Foerg



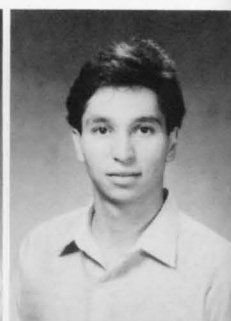
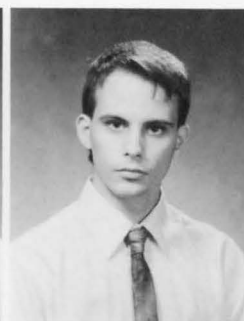
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Jared Frederick
Stephen Frost
Michael Galley
Eric Geib



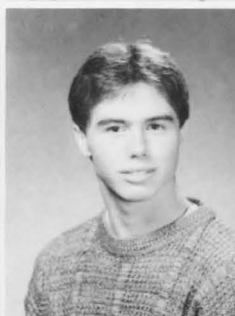
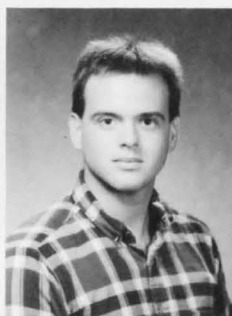
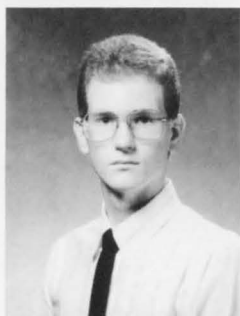
Spencer Geswein
Scott Gilmour
Brian Goodman
David Goodman
Kevin Greene

Freshmen Class of 1993

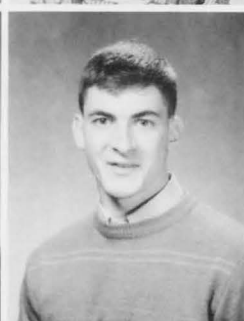
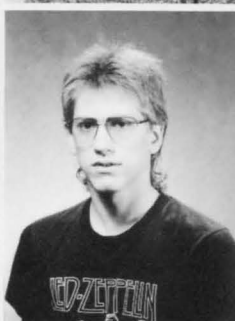
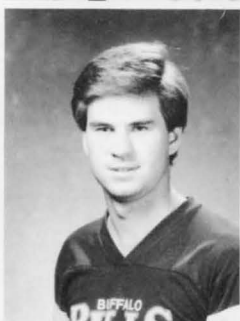
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Tracy Grunden
Luis Guzman



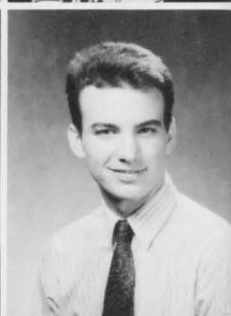
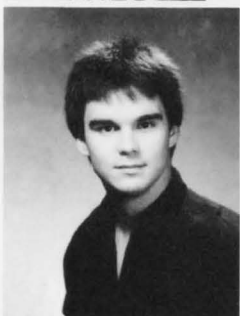
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David Haddix
Jeffrey Haggerty
Bryan Hales
Matthew Harbert



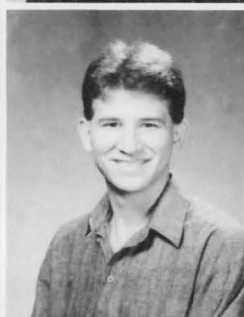
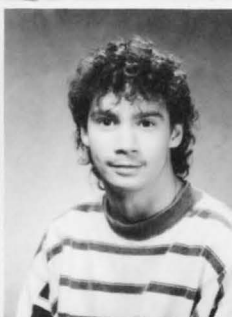
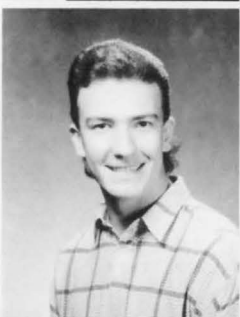
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Robert Hastings
Chad Hedden
Loren Heinze
Tony Hinrichs



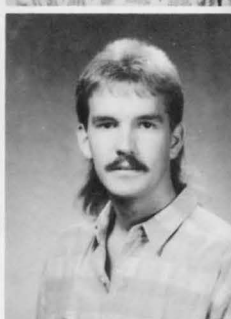
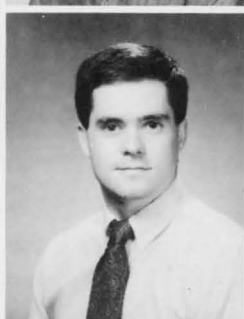
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David Huey
Christopher Jackson
Gregory Jensen
Eric Kamm

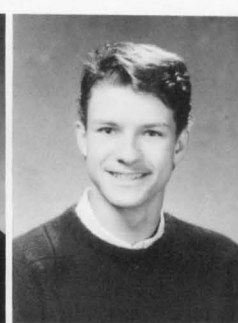
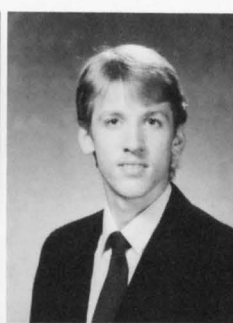
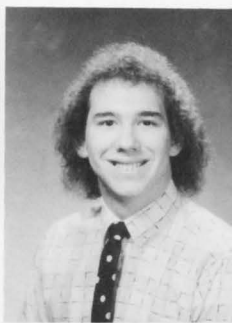
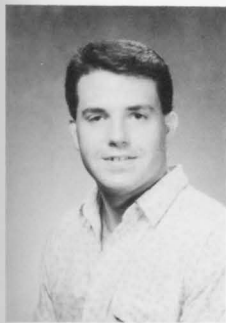


Andy Kasal
Harold Kays
Brian Kendall
Mike Kerrick
Christopher Kilander

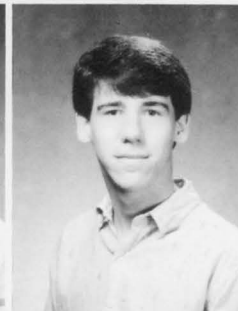
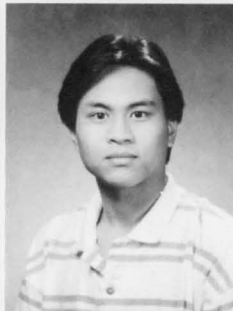
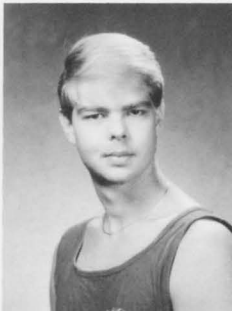
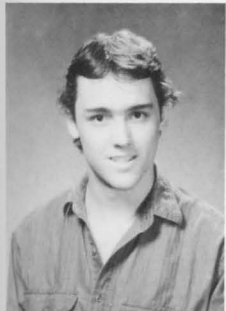


Steven King
Daniel Knight
David Kokoska
Mike Kridner
Cory LaRoche

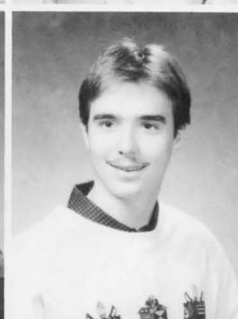
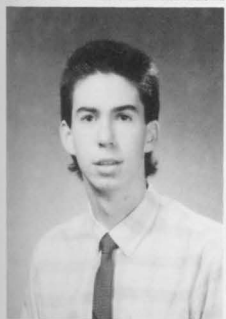




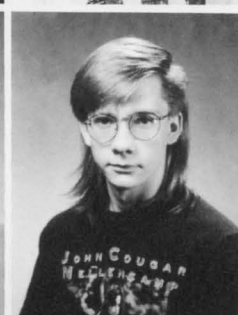
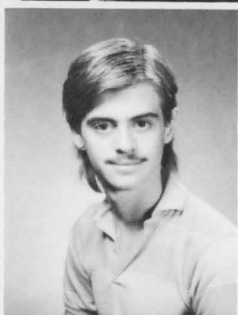
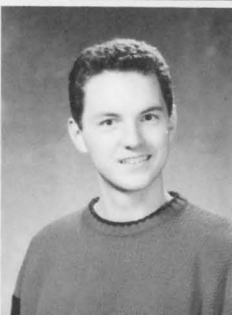
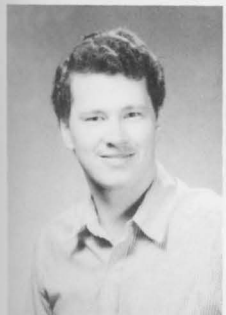
Eric Ledford
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Clint Lewsader
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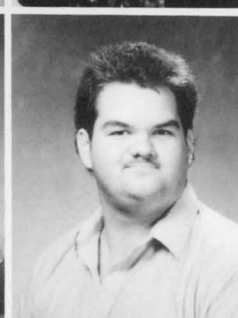
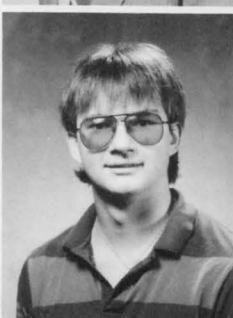
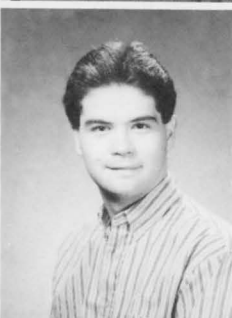
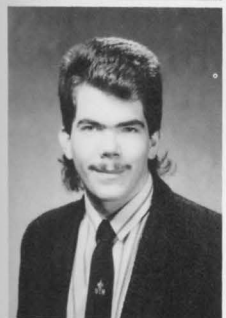
Jason Livermore
Jay Lorentz
John Lukowski
Gerald Madlambayan
Mark Mars



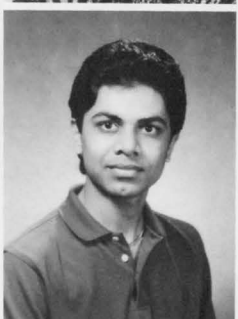
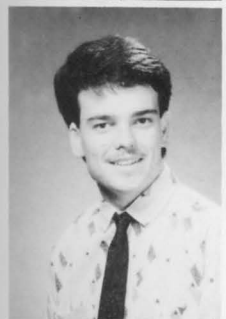
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Andrew McConnell
Patrick McCrudden
Eric Mihal
Jeff Miheve



Coey Minear
Bryon Mish
Robert Moffett
Eric Moody
Matthew Morley



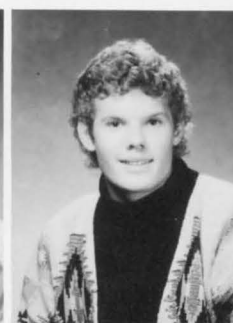
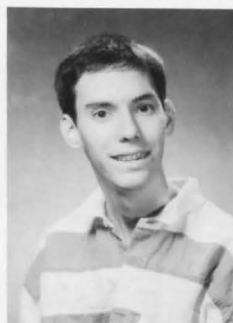
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Kevin Neier
Theron Nelson
C. Randall Newton
Andrew O'Connell



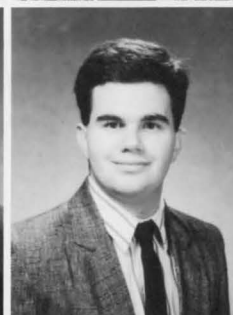
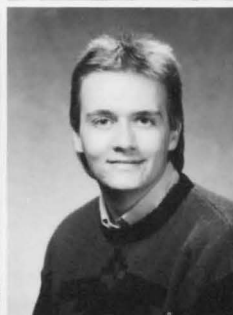
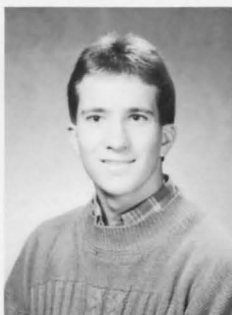
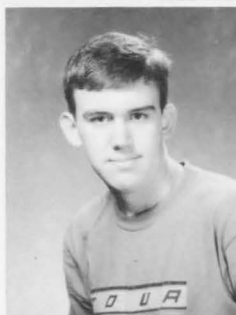
William O'Connell
Raymond Orié
Mihir Patel
Mark Pauls
Alan Peacock

Freshmen Class of 1993

Douglas Pearson
Brandon Pepelea
Eric Peter



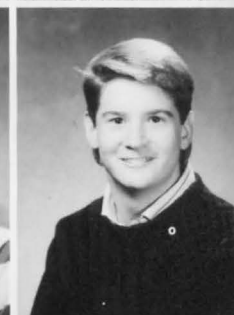
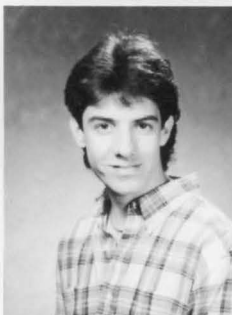
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Kyle Powell
Chad Powers
John Price
David Prunty



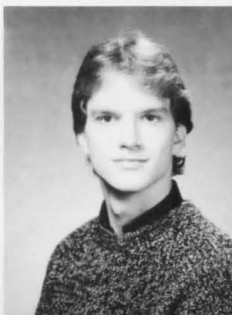
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Brent D. Reyher
Kelby Ridenour
Joseph Ritz
Robert Rogers



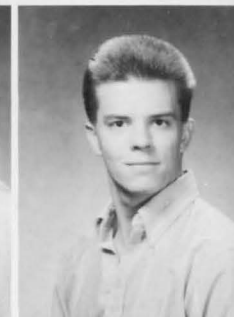
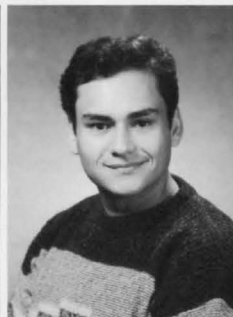
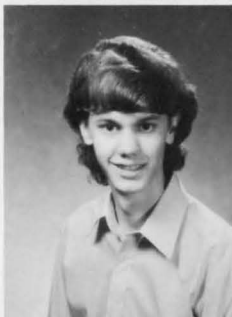
Greg Rumpel
Gerald Ruppert
Heath Scheiman
Dylan Schickel
Alan Schnarr



William Schomer
Joel Seibert
William Sider
Jeff Sievertson
Greg Simons

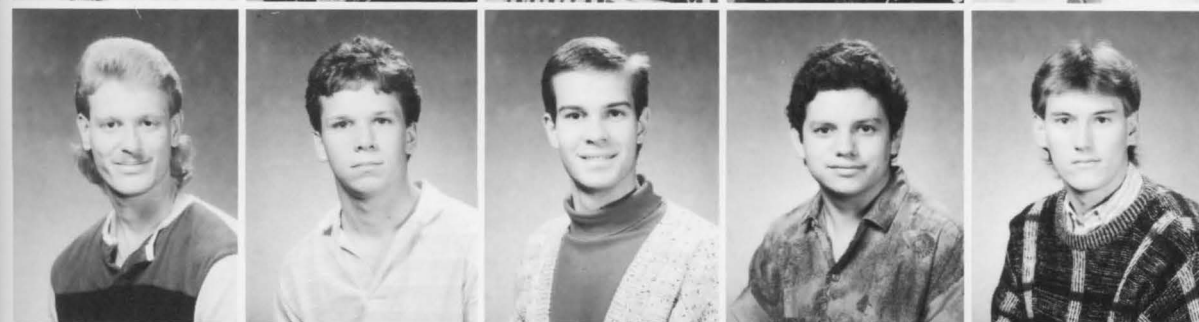


Barry Simpson
Stephen Smalley
Leif Sorensen
Doug Sowder
Edwin Stacy

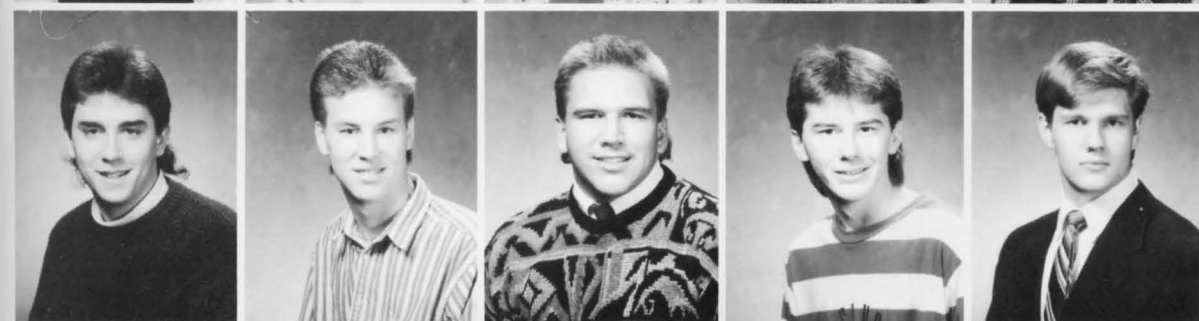




Ryan Stafford
Doug Staker
Jason Staley
Donald Stanton
Daniel Steele



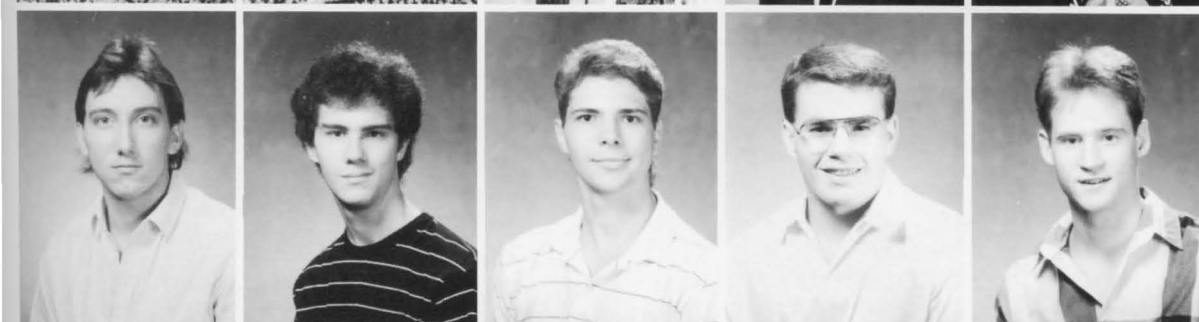
Arden Stiers
Wade Stockton
Mark Stremmler
Kevin Stultz
Steve Sunberg



Brad Sutton
Lars Swanson
Andrew Tanner
Steven Taylor
Michael Thomas



Patrick Townsend
Thomas Valentine
John Vance
Greg Vialle
Tri-Hung Vu



Michael Waldbieser
Gregory Ward
Jim Watkins
Brent Watts
Andy Weber

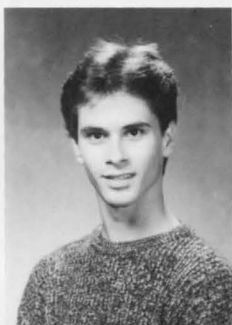
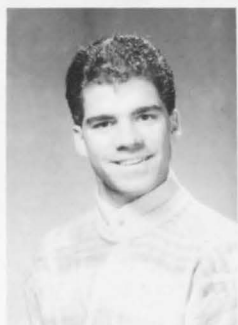


Gregory Wiley
Bruce Will
Daniel Wilson
Cheng S. Yu
Larry Yunker II

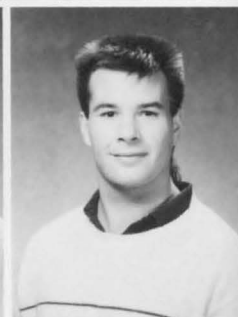
Sophomores

Class of 1992

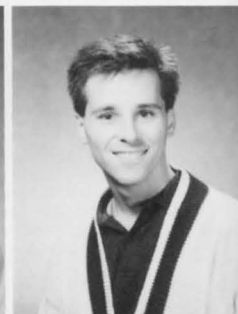
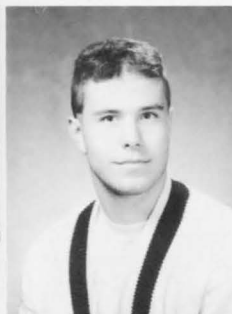
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Michael Arnold
James Auton
Kirk Bailen
Steven E. Bakota



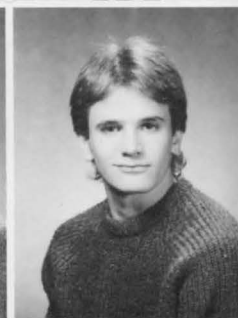
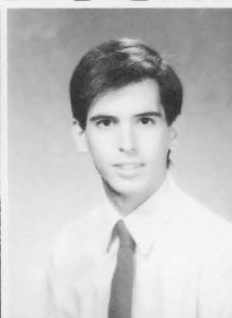
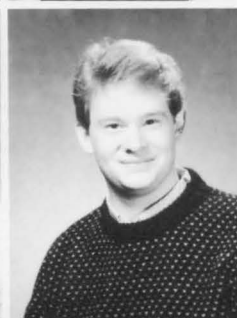
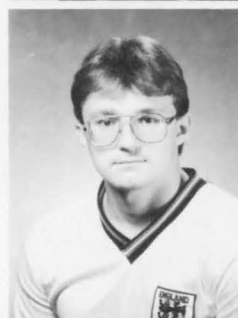
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Rick Bell
Eric Berzsensi
Michael Blair
Mark Boenke



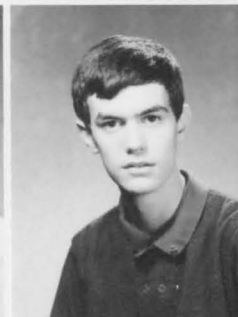
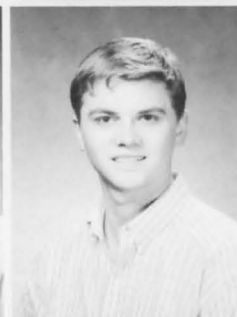
Jeffrey T. Bonaguro
Dan Boxeth
Joliet Briars
Michael Brown
Stephen Brown

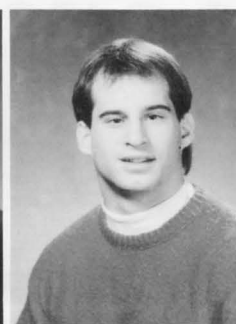
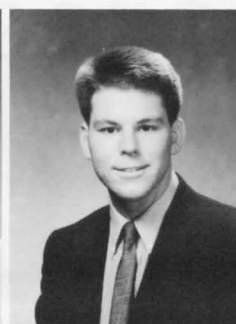
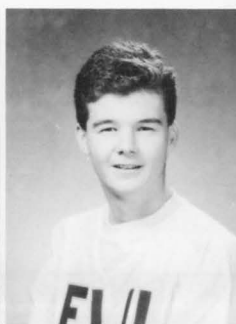


Thomas Brown
David Browning
Gary L. Burdette
Roger Byrum
Marc Champagne

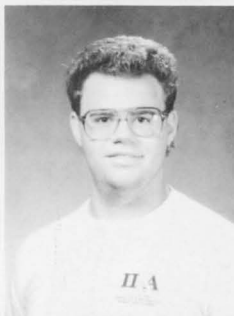
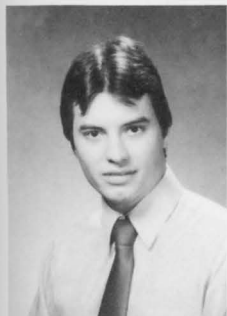


Mark Clark
James Claypool
Timothy Chavie
Robert Coner
Robert Coop

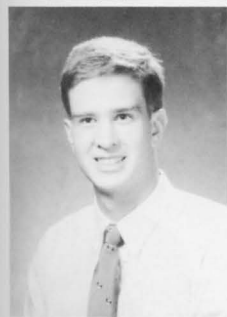




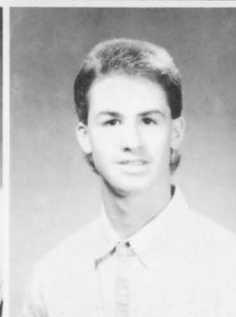
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Jeffrey Cross
Demon Crouch
Eric Cunningham
Scott Curry



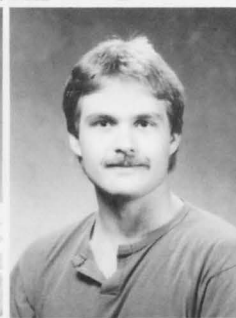
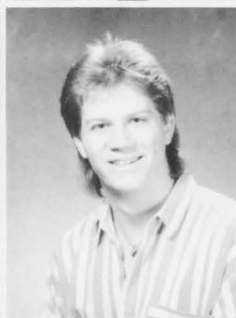
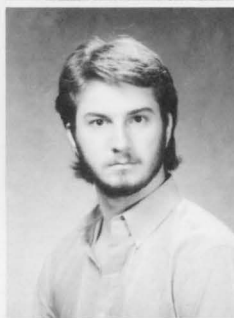
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Gui DeReamer
Thomas E. Dorsch
Erik Drake
Dustin DuBois



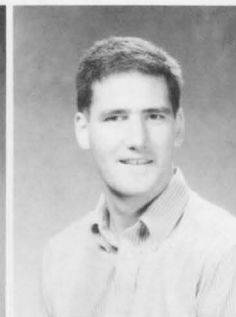
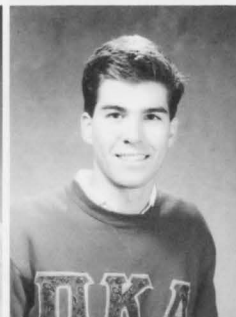
Heinrick DuBose-Schmitt
Randy East
William Eccles
Joseph B. Ellis
Garyne Evans



Jeff Fetters
Elihu Feustel
Thomas Finkbiner
Kent Flint
Gregory Ford



Bradley Freriks
Bruce Frey II
Kenneth Furge
Keith Galey
Darren Gebler



Kevin Gilbert
Matthew Graf
Todd Greener
Gregory W. Hall
Chris Hammond

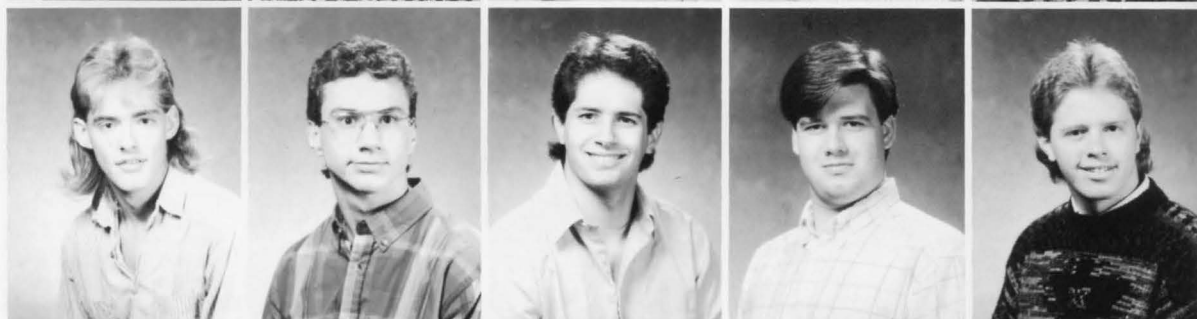
Sophomores

Class of 1992

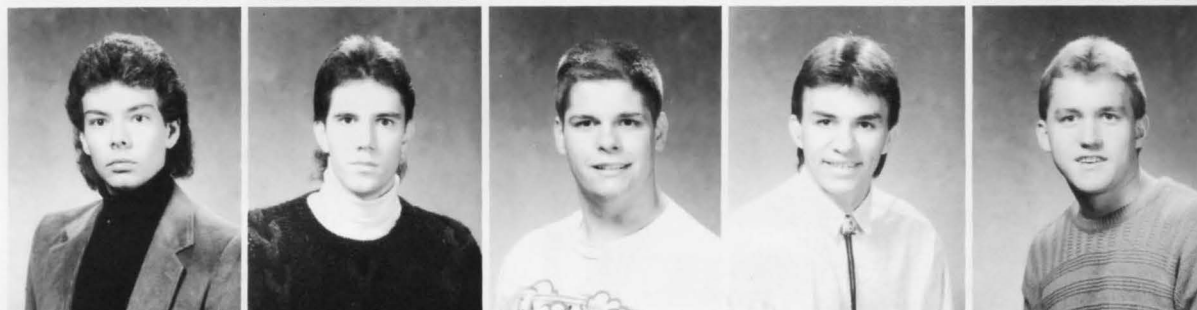
Bryan Hankins
William Hartwell
Ryan L. Hawk
Michael Helmecki
John Henning



Mark Hiatt
Pete Hinzy
Brian Horning
Scott Huff
Stephen Johnston



Matthew Jones
Michael Jordan
Jason R. Karlen
Mark Kazmier
Michael R. Keeney



Gregory Kemp
Brian M. Knox
Eric Koetter
Daniel Krieg
David Kyle

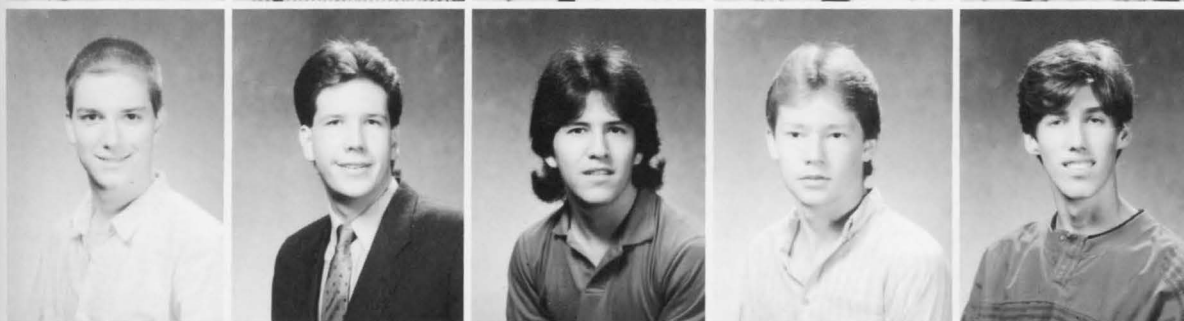


Robert Ladson
David Lahey
Robert Lamberson
Steven Lawrence
Kevn W. Lee





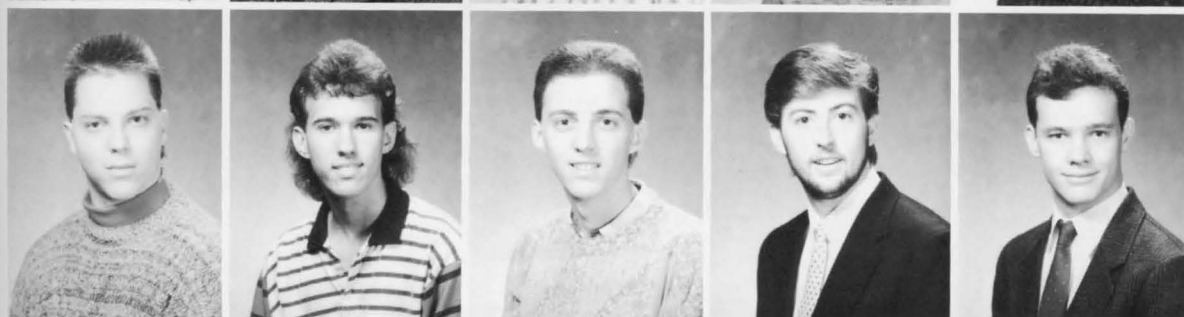
Michael Lehr
J. Michael Lesniak
Michael Liemohn
James Ludlow
Calvin Lui



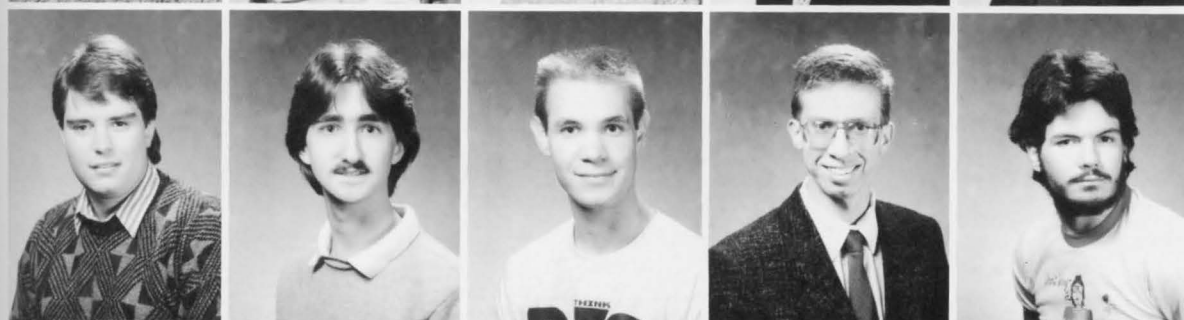
Russell J. Luzetski
David Maxwell
Michael Mazur
Troy McClamroch
Mark McCue



Matthew McDonough
Brian McGlynn
Randy McIntyre
Mark McLochlin
Patrick McManus



Brian Miller
Scott Minnich
Chris Mobley
R. Michael Rohr
Patrick Moseley



Frank Mullis
Kevin O'Bryant
James Ockers
Matthew Owens
Dorian Pacheco

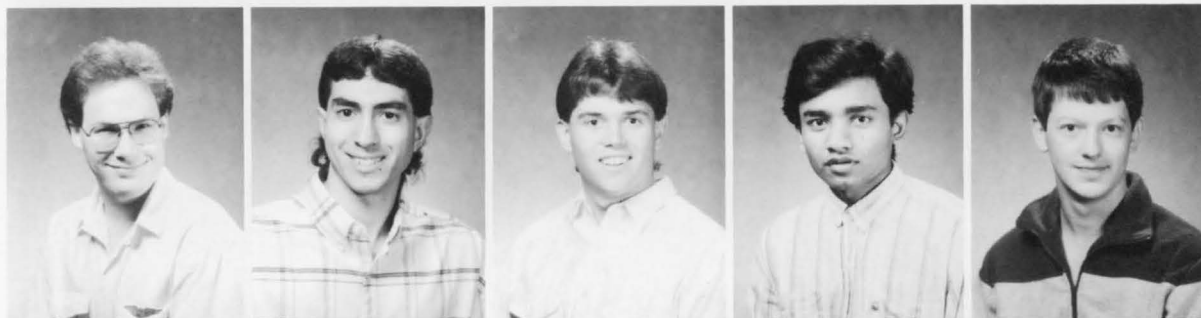


Gregory Parkhurst
Douglas Peterson
David Petruska
Andrij Petryna
Christopher Phillips

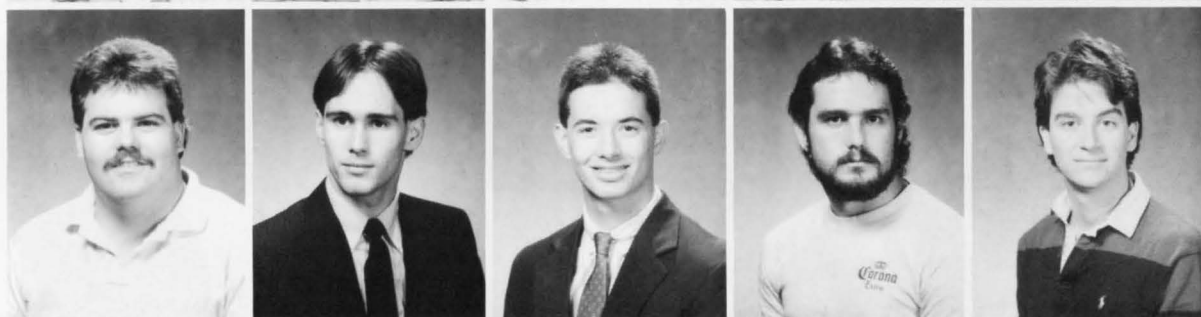
Sophomores

Class of 1992

Shane Pickett
John Piga
Phillip Poor
Ravi Puttaiah
Brian Ream



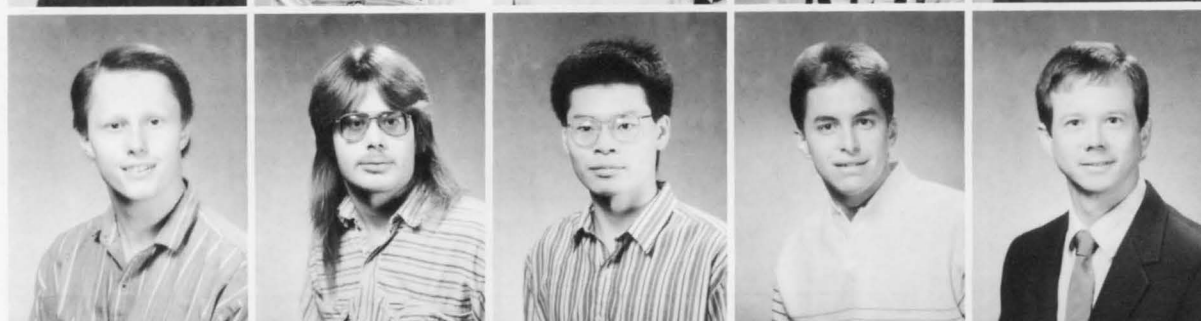
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Steven Reid
Thomas Rude
Brian Rychener
Mark Schechter



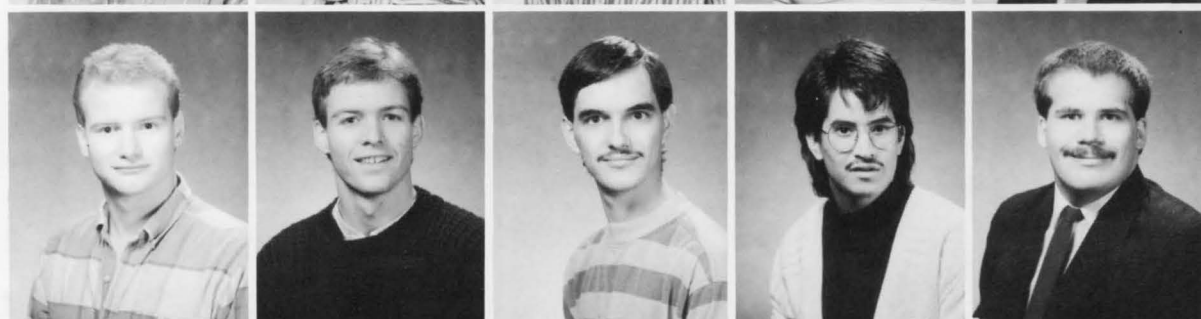
Brett F. Schneider
Warren Shrader
Doug Secrist
John Sherrard
Jeffery P. Skiver

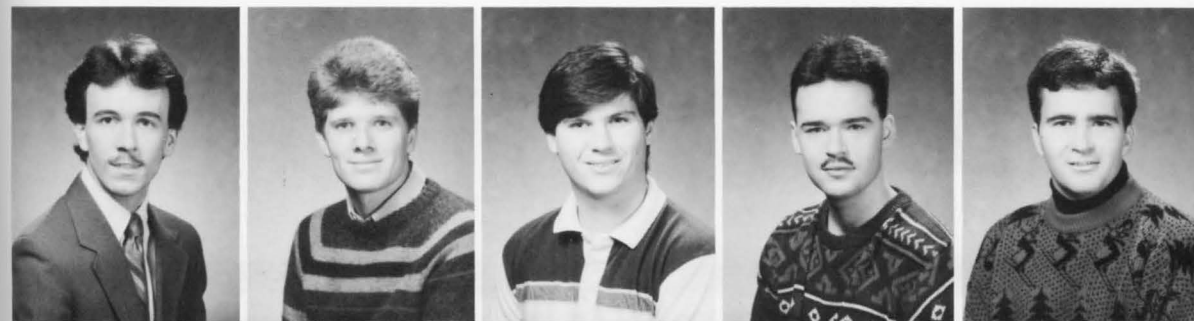


David Smith
Randall Spicher
Jason Ssutu
Lance Stallcop
Greg Starkey

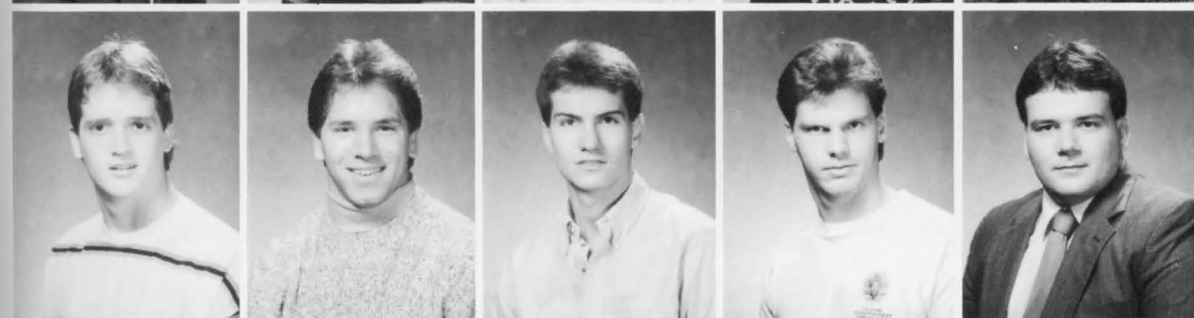


Sean Stephens
Lucas Stockhauer
Jason Stoll
Michael Sulit
Bruce Swanson

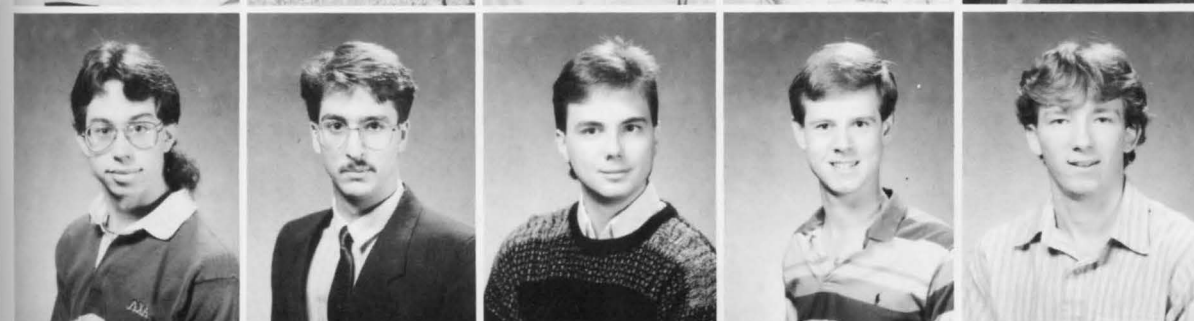




Mark Throop
Ashley Trimble
Rob Virostko
David Vititoe
Erik Wallace



Eric R. Wandel
Matt Warstler
David Weed
Scott Weishaar
George Wenig



Brian Whipp
Jon Whitcomb
J.D. Whitworth
Jason Williford
Chris Wilson



Jeff Windau
Edward Witt
Chris Wolfe
Kevin Zaylskie



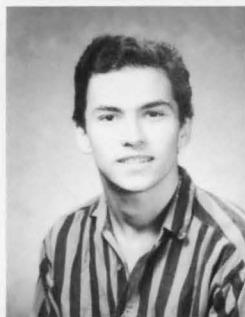
Juniors

Class of 1991

Clinton Adams
R. Matthew Adams
Greg A. Aimone
Michael Allard
Phil Banet



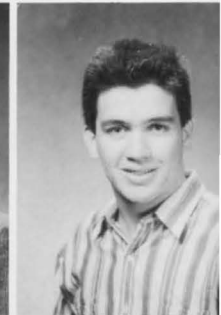
William Bates
James Blasdel
Paul J. Boenitz
Thomas Bogle
David Boroughs



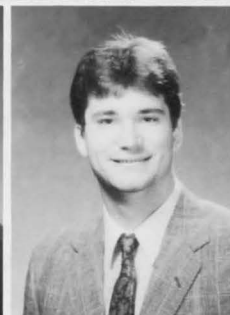
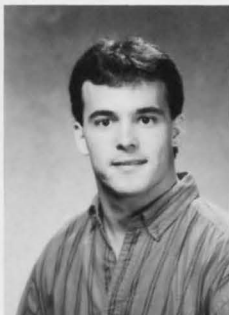
Lawrence Boxler
Michael Brier
Clint Brock
David Brombaugh
Steven Brown

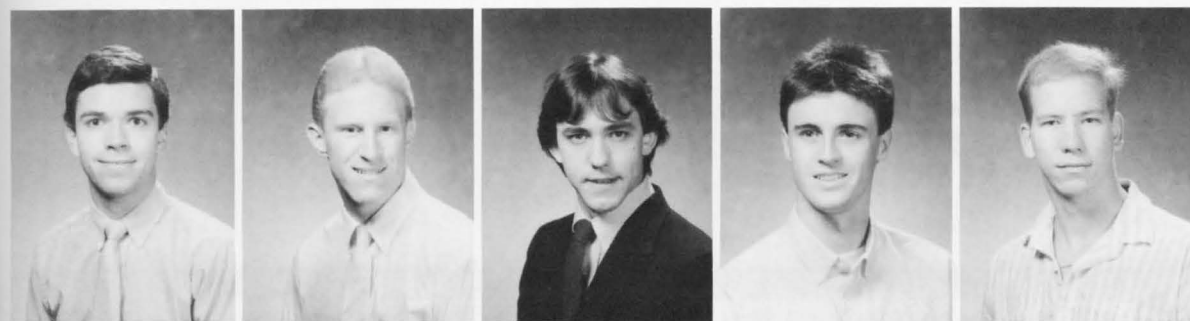


Todd Brown
Bob Burger
Jeffrey Burns
Todd Butler
Carlos Carrillo



Brian Coate
Carl F. Cole
Timothy Conarroe
Kevin Coryea
Shane Cox





Alex Crespi
John Cunningham
David M. Devore
Charles Dewey
Robert DeYoung



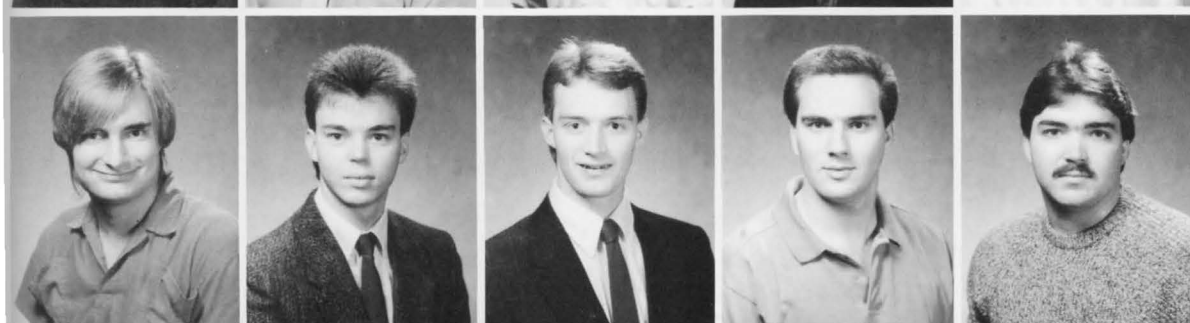
Kirk Eisert
J. Lawrence Elkin
Andrew Fagg
Michael Fagg
Brett Fathauer



Howard Fischer
Joe Forler
Cary Gerber
Bobby Getts
Carl George



J. Langley Gibson
Nicholas Gill
Tom Giron
Michael Gowin
Kevin Grabowski



Don Greiveldinger
Darin Gregg
Adam Griner
Mark Haas Jr.
Bryan Hahn

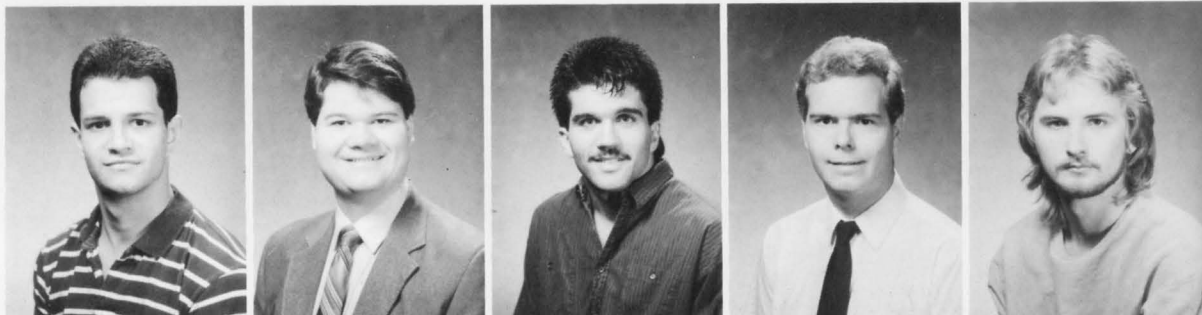


D. Brian Hall
Greg Hall
Bryan Haney
Alan W. Hardenburg
Daniel Hector

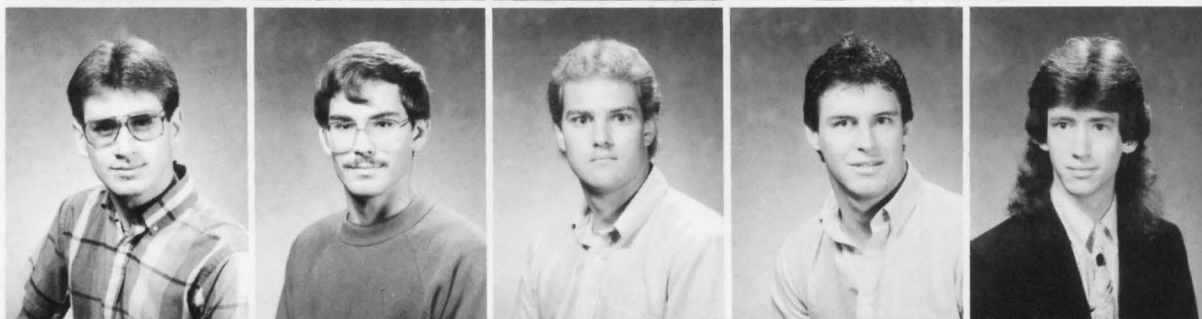
Juniors

Class of 1991

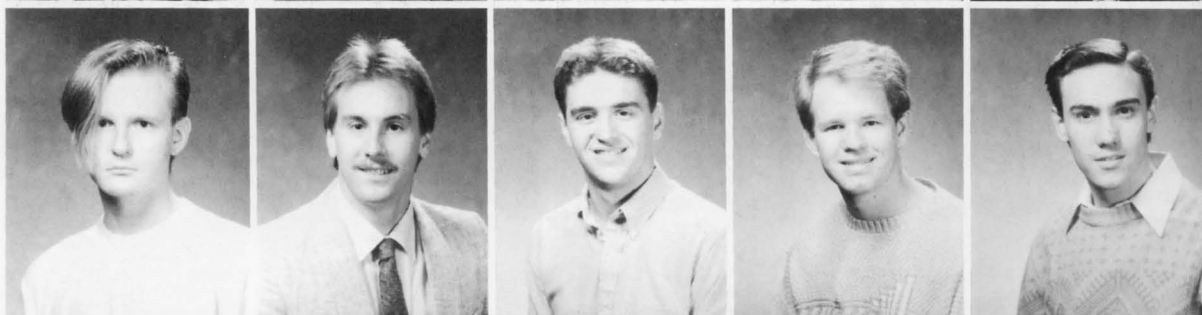
Scott Hiller
P.J. Hinton
Steven L. Jackson
John G. Jones
Michael Jones



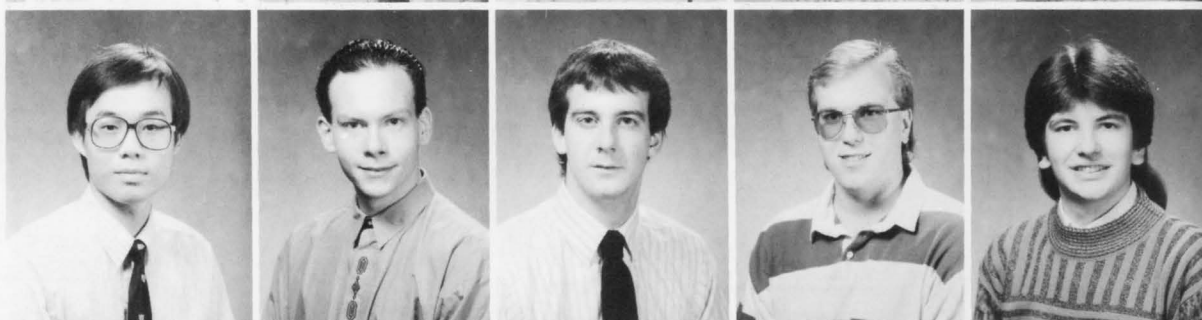
Chris Kabrick
Paul Kimmerle
Eric Kissell
Kevin Kluemper
John Knight



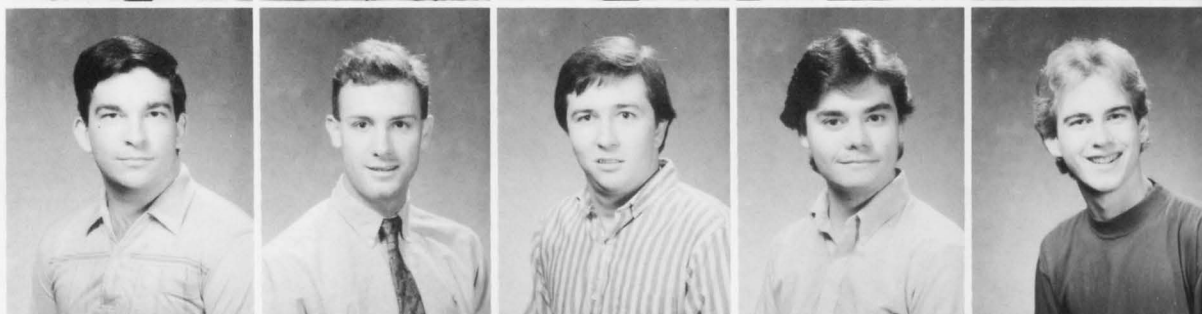
Andrew Kotlinski
John Lacheta
Todd Latterell
Robert Lind
David Lockard

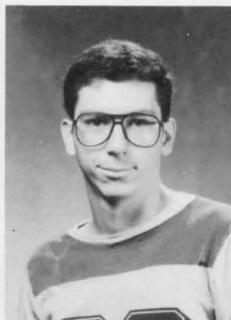


Biao Louie
Brent Lyons
Alan Manche
John Mayo
Kent L. McCorkle

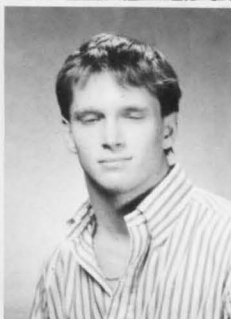
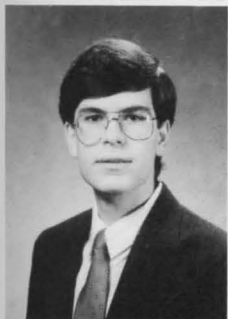


Thomas O. McCormick
Keith Miller
Bill Mills
John Minor
Trevor M. Moeller

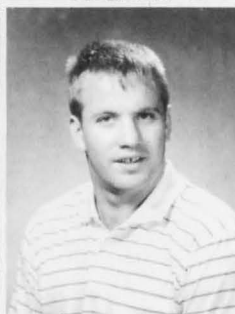
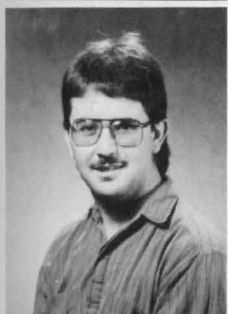




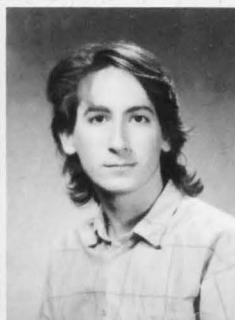
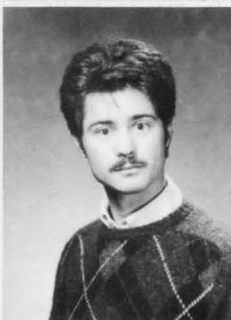
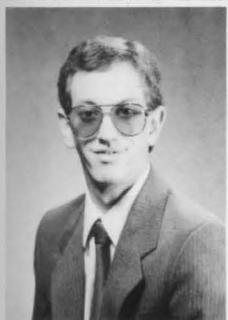
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Howard Moore
Jeff Morgan



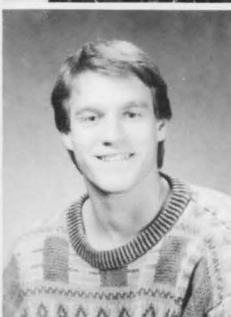
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Matt Murphy
James Neal



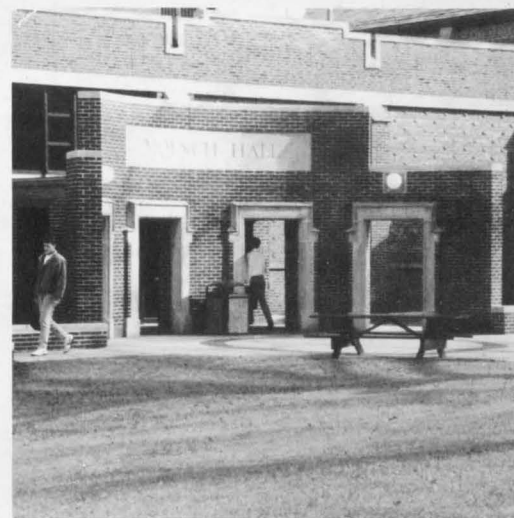
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Anthony New
Steve Niemann



Jay Overbeck
Jeffrey Papa
Eric Paul



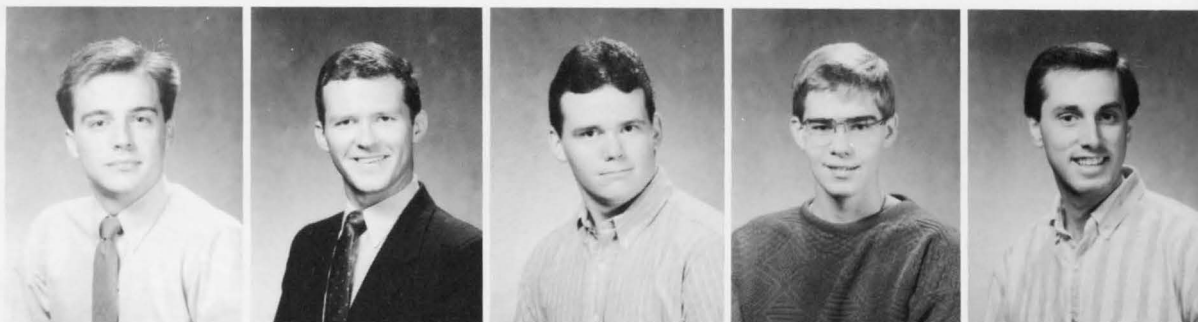
David Pieper
Britt Petty
Daniel Pund



Juniors

Class of 1991

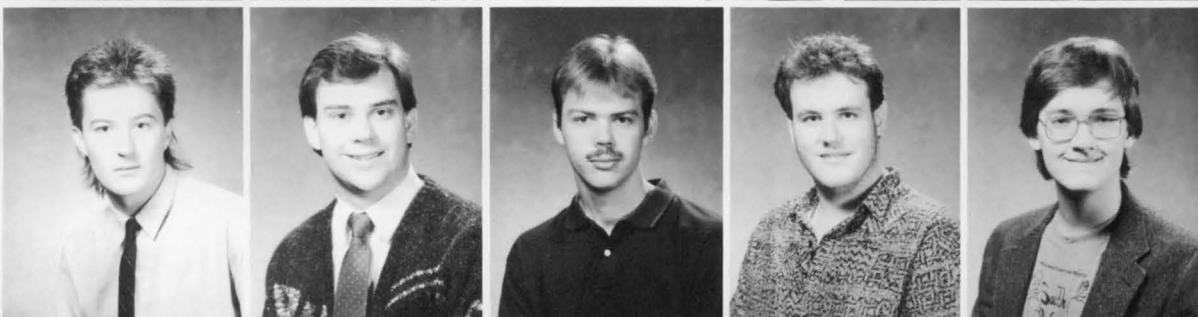
Mark A. Reed
David Ridders
Douglas Rosenberger
Paul Rudolph
Brian Ruff



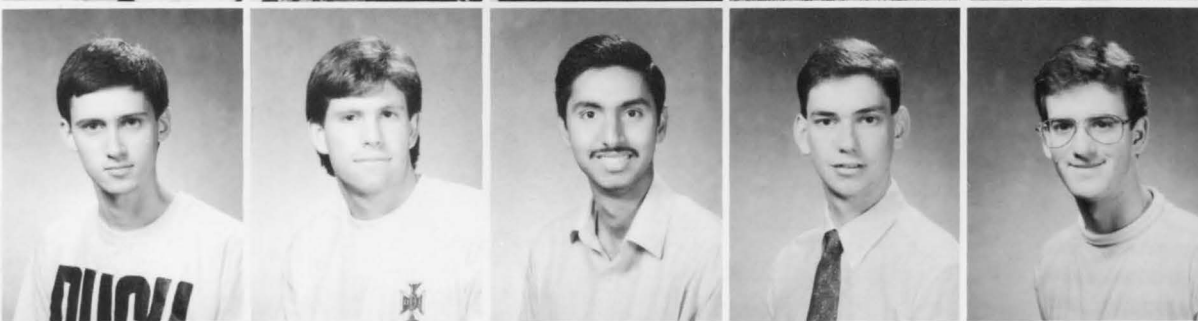
Mark Schuld
George Shumay
Reece Scott
Charles Schaub
Russell Semersheim



Robert Shea
Scott Simmonds
Mark Skarpness
Frederick M. Spinner
Scott Sprehn

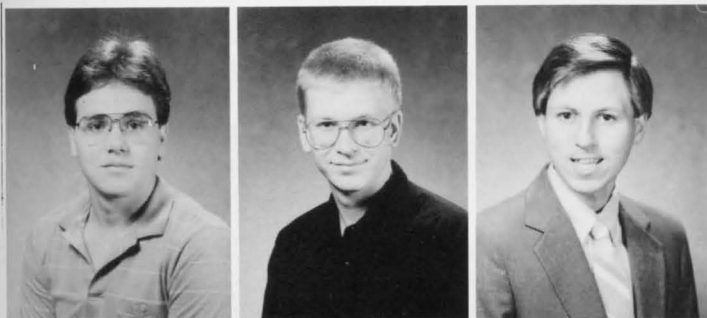


Craig Stucky
Steven Susten
Ahmed Syed
Christian Chadd Taylor
Steven M. Taylor



Ronald Timm
Charles Tommey
Paul D. Tougaw
Hoane Truong
Steven Vinson

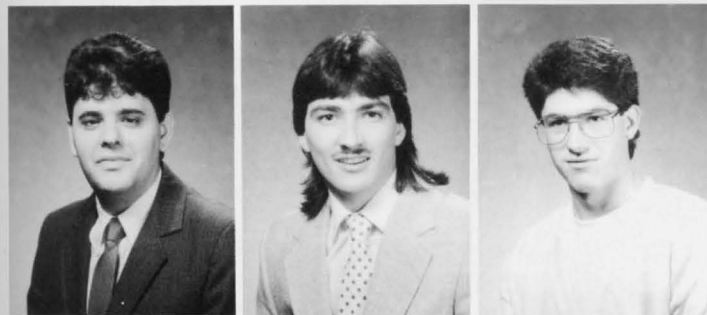




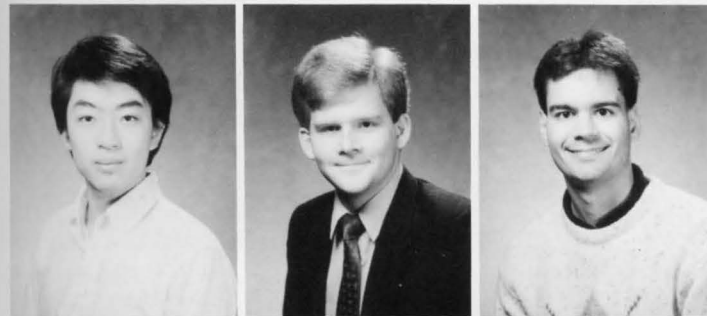
Lynn Vornheder
Brian Walling
Ricky J. Watson



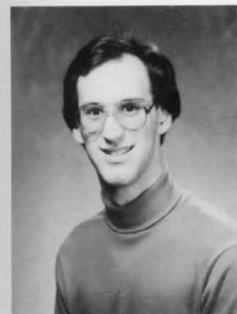
Craig Westmoreland
David White
Rick Wilhelm



Steve Wilhelmy
Robert L. Williams
Curtis Wischnewski



Wilfred Wong
Kevin Wyatt
Joseph Yenger



Antonio Zamora



Out of Context

A picture may be worth a thousand words, but this may be carrying it too far . . .



What time did you say Jess and the boys are getting back?



One, two, three, drink.



I was sitting in class, and I started dream about MAPLE trees.



Figures, the first Rose guy to approach us all night and he's carrying a camera,



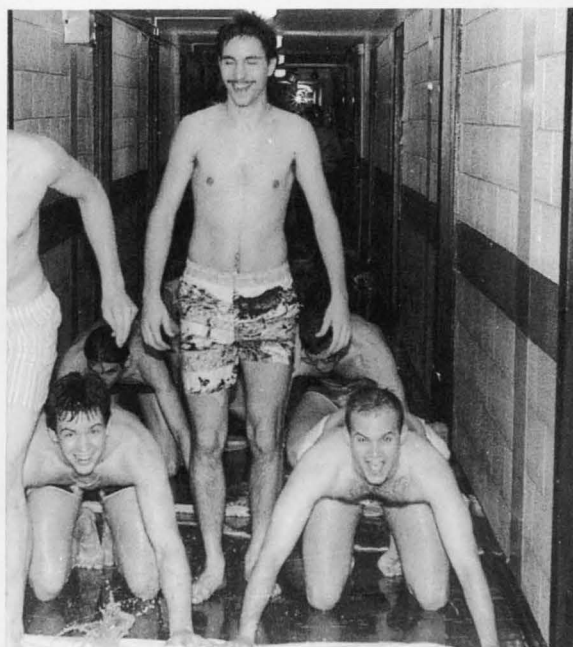
Great, we set up all this equipment and only three, oops, make that two girls show up.



Think they'll let us in at Simrell's?



The response of Meesians when asked how many times laundry should be done in a year.



Well, this is one way of Racing into the Nineties.



No, I'm afraid Dr. Brophy's Human Sexuality files are only available to students enrolled in his class.



Does this thing get *The Simpson's*?



A 24-room suite as your home in the new residence hall when it is built? What a SILLY idea, Tom.



Won't it be nice once we have graduated and we don't have to WORK hard ALL the time?



My vision is limited to two feet



Gee, if I hurry I can make toilet seat covers for the whole hall.



No honey, I do NOT love Dr. Acker more than you, but I have to get this project completed . . .



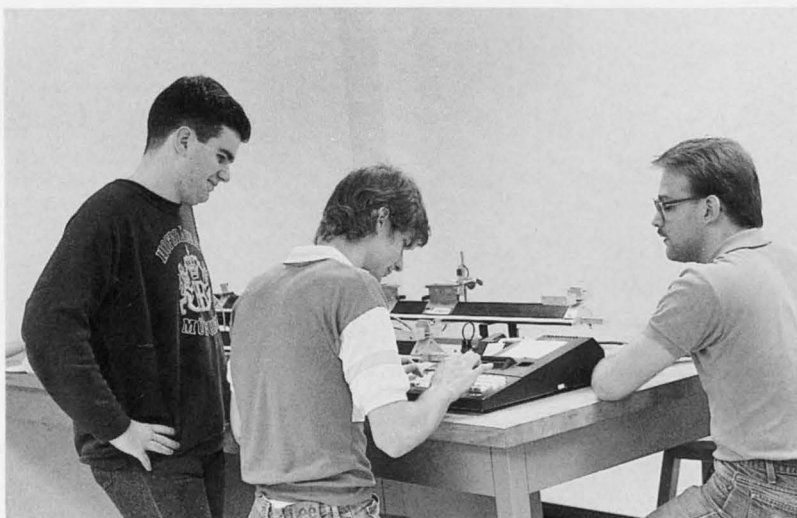
And there it was, on the board, the BIGGEST triple integral I have seen in my life . . .



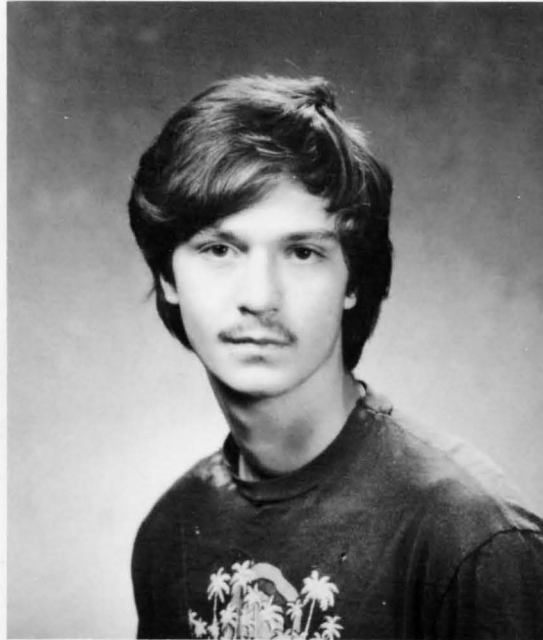
Well, you think we ought to get started on this light bulb?



Another award winning Modulus sports action shot.



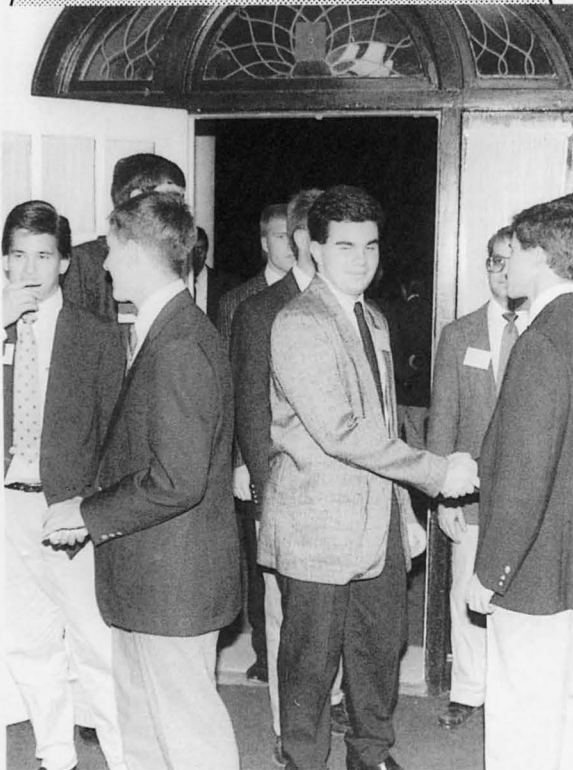
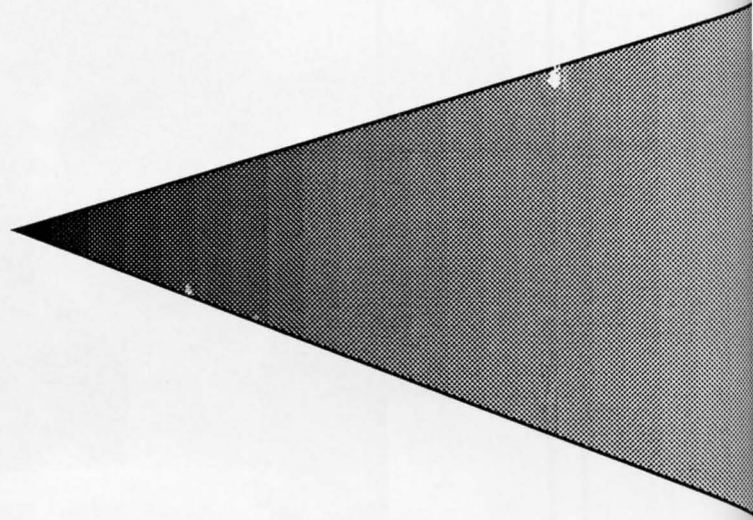
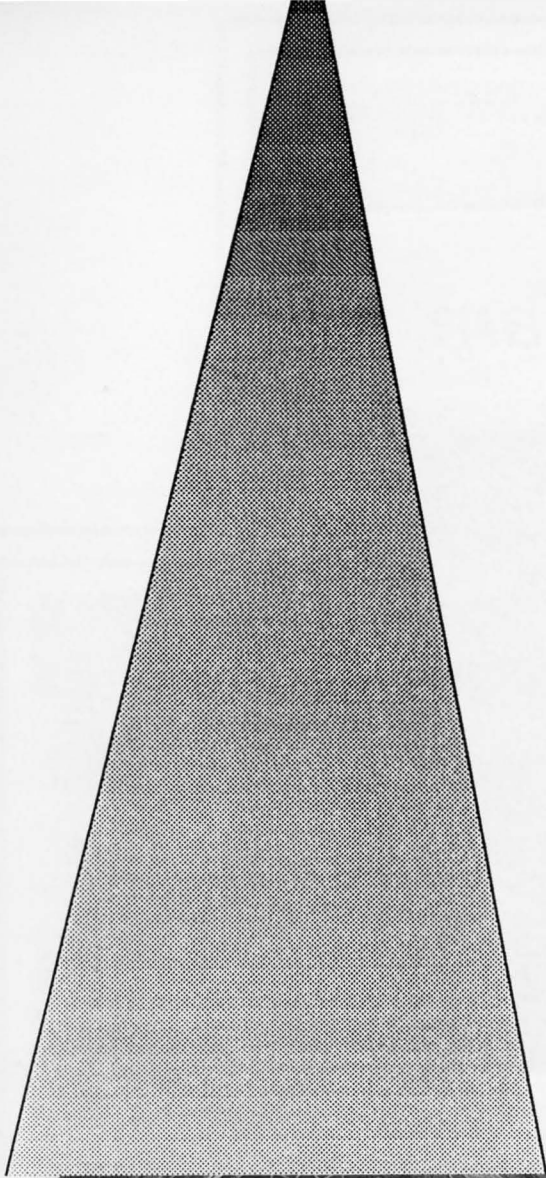
In Memoriam



The closing page of the student section of *Modulus 1990* is in memory of Donald P. Hatton.

Donald was a freshman at Rose-Hulman from Mayfield, Kentucky, who was killed in an automobile accident last December.

His memory remains in the students who were friends of Donald Hatton. Even those who did not know him were saddened by the tragedy of his death.





Greeks

Greek Games



Above: Hey! How do I get down?

1990 GREEK GAMES RESULTS

SONGFEST: 1 — PKA 2 — LCA 3 — DSP
CART RACE: 1 — LCA 2 — ATO 3 — SN
O-COURSE: 1 — LCA 2 — ATO 3 — TRI
MYSTERY: 1 — PKA 2 — TRI 3 — LCA
PYRAMID: 1 — LCA 2 — DSP 3 — FIJI

Below: The Sigma Nu's complete their pyramid.





Above: Lambda Chi takes the lead in the cart race.

Below: The Pikes watch the competition in awe.





THOMAS T. DINKEL
CHAPTER ADVISOR



DAVID LEIF
RUSH CHAIRMAN



BRETT STARR
WORTHY KEEPER OF ANNALS



BARTLEY MILLIKAN
WORTHY USHER



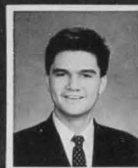
JASON LUEKING
WORTHY CHAPLAIN



BRIAN RUNKLE
WORTHY MASTER



GOFFREY PAYNE
WORTHY KEEPER OF EXCHEQUER



DAVID AKAKA
WORTHY Scribe



CRAIG STUCKY
MEMBERSHIP EDUCATOR



JOSEPH MATTHEWS
WORTHY SENTINEL



RONALD G. REEVES
FACULTY ADVISOR



SCOTT STRAYER



RICHARD LESNIAK



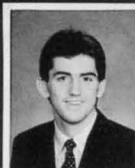
ALAN RADOWSKY



TIM CINDRIC



RON STEINHART



DUSTIN DeHAVEN



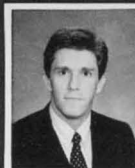
D. KYLE THOMPSON



MARK MONTGOMERY



DANIEL BRAKER



JEFF PICKETT



ROSS MAUE



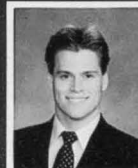
L. SCOTT SALTER



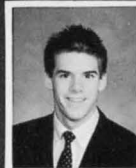
J. LANGLEY GIBSON



BEN BIERLEIN



CLINTON FILIPOWICZ



BOB JACOBS

Alpha Tau Omega

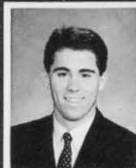
INDIANA GAMMA GAMMA CHAPTER



1989

1990

Rose-Hulman Institute
of Technology



KEVIN FESLER



KEVIN PATTERSON



MARC MORRIS



ERIC ARMSTRONG



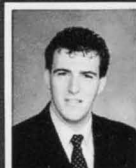
MICHAEL BERGENTHAL



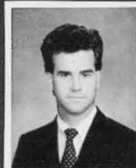
GEORGE SHUMAY



JAMES WINKLEY



KEVIN STAHL



BRETT WEINZAPFEL



CHRIS LANKER



TODD LOGAN



MICHAEL CRIST



CARL COLE



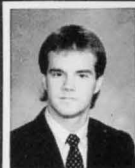
STEVEN SUSTEN



WILLIAM HEINZ



ERIK SAUR



MATTHEW VanHOOSIER



MARK CHRISTMAN



CHRISTOPHER MILLER



BRIAN HALL



SCOTT GILKISON



MARK REEDY



KEVIN TOKEN



TONY NEW



STEVE LAWRENCE



R. TODD ANDERSON



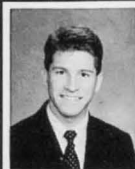
J. J. JAWOREK



J. MICHAEL LESNIAK



JOHN KELLAM



JAMES LYST



JUSTIN SMITH



SHAWN TURNER



DUSTIN DuBOIS



KEVIN DIERKING



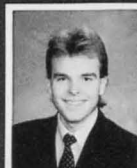
DOUGLAS GUINN



GREG DIXON



DAVID TROIKE



ERIK LINDSTROM



JOHN SHERRARD



MATTHEW WARSTLER



TODD GREENER



MARK GUERRETTAZ



STEVEN BAKOTA



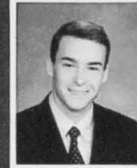
TIMOTHY SPURLING



BRIAN MILLER



STEVEN ANDRES

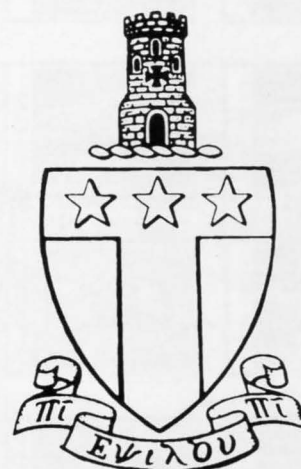


J. BRADLEY BECHTEL

Alpha Tau Omega



The Terre Haute Heart Association rewards ATO for 30 years of dedicated service.

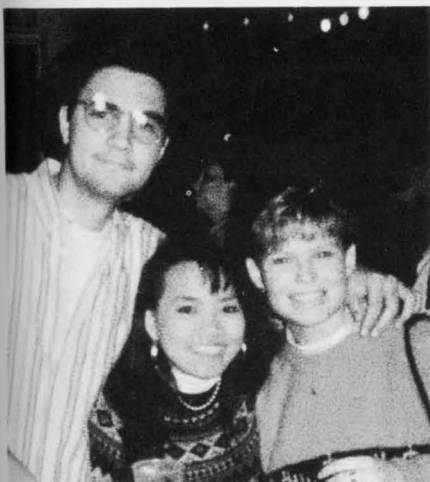


Alpha Tau Omega had another outstanding year. Receiving the Community Awareness award, and a runner-up True Merit award, began the year on a positive note. Success continued with the arrival of a new pledge class.

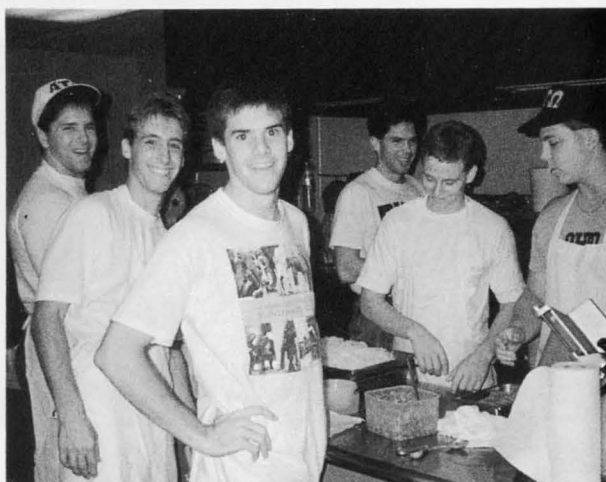
Numerous activities also keep ATOs active throughout the year. There was the annual Faculty Pizza Party, Special Olympics Track Meet, Dobbs Park Project, and Peddle Park Christmas Show. Athletics also played an important role in the chapter as ATOs were captains on six varsity sports and ATO captured the IM All-Sports Trophy for the third consecutive year.



Above: ATOs working together to make Terre Haute a more beautiful place.



Left: Dave Akaka strikes it rich at one of ATOs great parties.



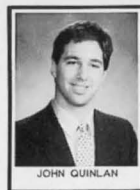
Right: Hard at work in the kitchen at the Annual Pizza Party.



CHRIS WERNIMONT



KEVIN BENHAM



JOHN GUINLAN



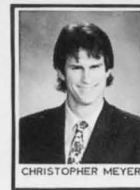
BRUCE LEVY



DAVID GOFF



JOHN LINDELL



CHRISTOPHER MEYER



DONALD MORRIS



ROBERT BENNING



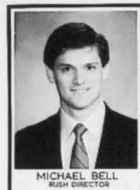
THOMAS NULSEN



DEVIN SALE



TIM HEGEMIER



MICHAEL BELL
RUSH DIRECTOR



RICHARD GAMBLE
ACCOUNTS RECEIVABLE



RYAN ROTH
SECRETARY



GEORGE ANGELOV
VICE PRESIDENT



MATT KINTZELE
PRESIDENT



JEFFREY SALE
ENGINEERING LEADERSHIP
DIRECTOR



ERIC KISSELL
TREASURER
ACCOUNTS PAYABLE



GREG HEVRON
STEWART



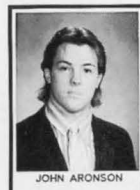
RUSSELL PETERSON
HOUSE MANAGER



KYLE KOSEY



ED FLAKE



JOHN ARONSON



JEFFREY PERKINS



RODERICK DAEBELLENN



ALLEN DEAN



JOSEPH HENTZ



BRIAN COATE



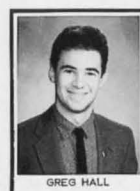
JIMM GRIMM



JOHN MAYO



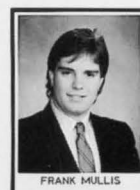
DAVID CLEVELAND



GREG HALL



ROBERT ARONEN



FRANK MULLIS



MARK HIATT



JAMES PENCE



WILLIAM ELDER



ED CAMDEN



DR. BARRY FARBROTHER
ADVISOR



MATTHEW SMITH



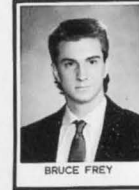
KEVIN ZAYLSKIE



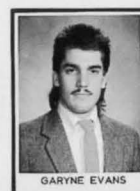
STEVE LOPER



KEVIN GILBERT



BRUCE FREY



GARYNE EVANS



TERRY TOWLE



STEVEN REID



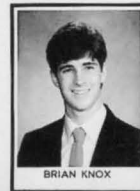
JASEN STOLL



JAMES MIYOSHI



JEFF PHILLIPS



BRIAN KNOX



JAMES OCKERS



JEFFREY BONAGURO




BRIAN HORNING



DAN CONNORS

Delta Sigma Phi
ZETA LAMBDA CHAPTER

1988  1989

Rose-Hulman Institute of
Technology

Delta Sigma Phi

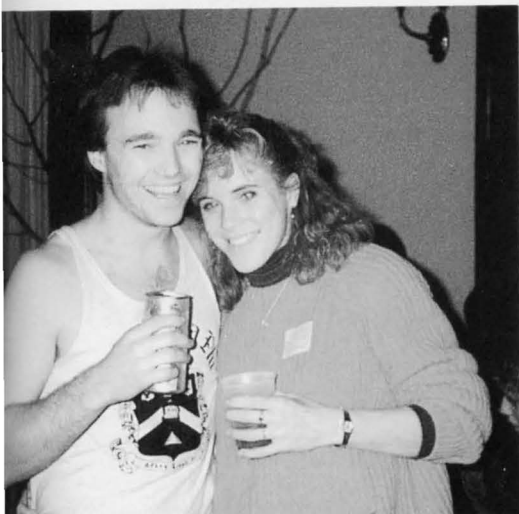
For the Men of Delta Sigma Phi, the 1989-90 school year was an awesome year. Starting off the year, Delta Sig showed school spirit and group effort in the Homecoming Banner and Cheering Contest by placing first in both. Fall Rush went very well for Delta Sig as we picked up 19 new actives. Our social program was successful in amending our risk management policy while still having excellent social functions. Our chapter was awarded the Pyramid of Excellence — the highest honor given by our Nationals. This year, we have raised record amounts of money for March of Dimes through Mother's March, Basketball Marathon, and Walk-America. In addition, our grades have shown considerable improvement through the long harsh winter. We look forward to another great year.

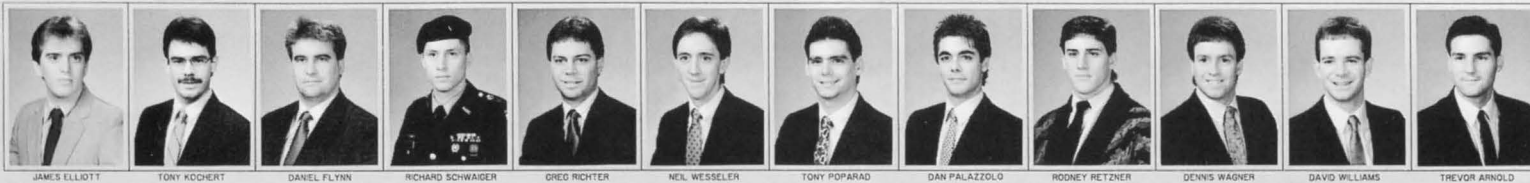


Above: Delta Sigs show their pride during Greek Games.

Middle: The annual Delta Sig Campout Party.

Bottom Left: Taking time out from a Delta Sig party.





JAMES ELLIOTT TONY KOCHERT DANIEL FLYNN RICHARD SCHWAGER GREG RICHTER NEIL WESSELER TONY POPARAD DAN PALAZZOLO ROONEY RETZNER DENNIS WAGNER DAVID WILLIAMS TREVOR ARNOLD



RICK WILHELM HIGH BETA ERIC PAUL HIGH BETA MIKE JORDAN HIGH DELTA BRIAN WHIPP HIGH TAU JAMES GOODRIDGE II HIGH BETA JOHN MEISTER HIGH ALPHA CARLOS CARRILLO HIGH GAMMA ERIC TUCKER HIGH KAPPA MARK DURVO HIGH PHI TODD LATTERELL HIGH EPSILON STEVEN NEMANN HOUSE MANAGER

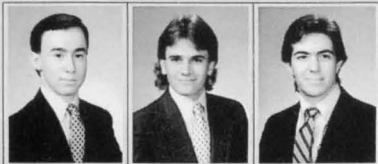
Lambda Chi Alpha

THETA KAPPA ZETA

19



90



KEN BARRETT MARC CHAMPAGNE STEWARD JOHN HENNING HIGH MANAGER



MICHAEL WETHERELL ASSISTANT HOUSE MANAGER RICHARD DAVIS ASSISTANT HIGH TAU BRIAN JONES



RAY KROLL BRIAN MOENCH



GARY RUSTON KEN WHITEHEAD

Rose Hulman Institute of Technology



GREG SPOCK DALE BITTNER SEAN BOWER STEVE ROBERTSON CHRIS SCHLIMM



JAMES EFERT HIGH PI



GARY SMITH JIM ALBERT KEVIN COOK SHANE COX CLINT BROCK



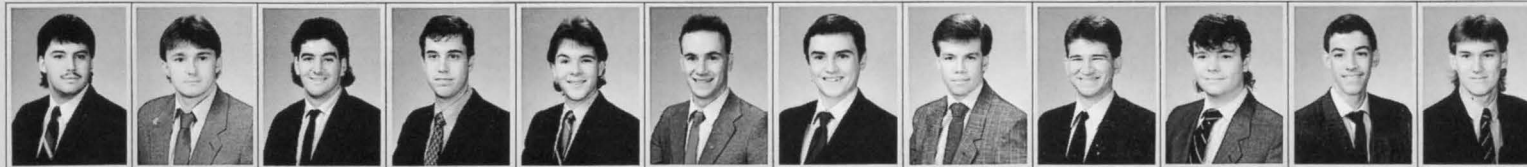
DEREK SHARP STEVEN BROWN CHRISTOPHER COLWELL DOUGLAS ROSENBERGER JEFF MORGAN MARC BASTIAN MICHAEL HILL JOHN MAZE KEVIN CORTYEA ROBERT SHEA HARRY TRUMAN ROBERT OXWING



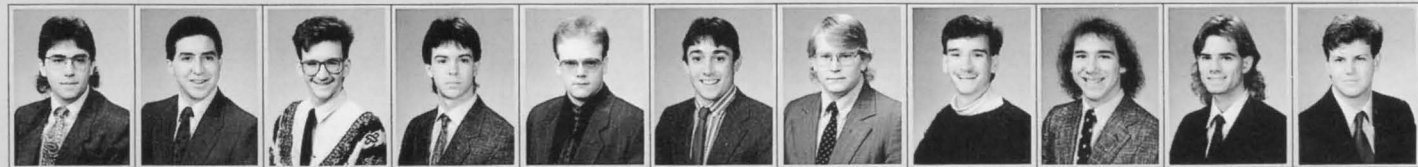
BOBBY GETTS RALPH CORTYEA II JOEL PLAAS STEVE VUZZALE REECE SCOTT ALEJANDRO CORREA ERIC MEYER ERIC KOETTER RONALD SCHWIPS ANDY STERN DAVID WILL BRIAN HANKINS



THOMAS FRANKLINER MARK DIDAT BRIAN INGALLS GREGORY ORSCHILL KEITH GALEY TROY MCCLAMROCH ERIC DRAKE MICHAEL LEHR JIM RHOADES AARON BURGHARDT THOMAS SCHULTZ BRIAN BABLIS



CHAD DIESELBERG THOMAS BROWN EDWARD ROBINSON DANIEL KRIEG PAUL FESSEL KURT PARKER MICHAEL PALMER RICHARD COMER MIKE KERRICK ROBERT ROGERS JOHN VANCE STEVE SUNBERG



BRAD SUTTON THOMAS CAMPBELL TIMOTHY WILEY DAVID HUEY JASON BROWN ARTHUR GIANNINI TONY DALL GREGORY WILEY TODD LEMON ROB ARLT STEPHEN MATTINOLY

EDWARD VANTINE STUDIOS, HAMILTON N.Y. #88232

Lambda Chi Alpha



Above: The Lambda Chi cheering section.

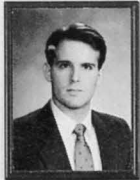


Below: What do I do now?





BRIAN FIRTLE



ROBERT SHEW



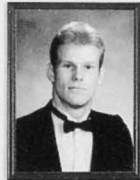
ARTHUR WOMACK



CHRIS SLOSSER



STEVE UFEL



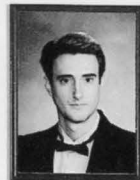
BRYAN WELCH



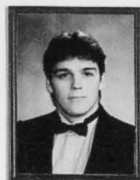
STEVEN BUESCHER



BRETT MUNCY



JEFFREY ELLENBERGER



GARY BATES



MICHAEL GARRISON



KEVIN BOGARD



EVAN KOKOSKA



KEVIN RAY



PHILLIP ECKERT
CORRESPONDING SECRETARY



GREG WHITE
TREASURER



DOUGLAS COLLIER
PRESIDENT



RODNEY ADAMS
RECORDING SECRETARY



BRIAN MILLER
HISTORIAN



MATT WHITE



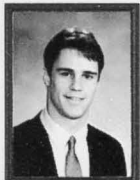
DAN DAVIS



CHRIS EVERTS



JOHN CRANE



SCOTT KIRKPATRICK



CHAD REITMEIER



SCOTT ZION



DUANE LONG



CORBETT KULL



DOUGLAS BOWMAN



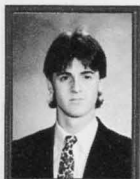
STEVE CHILDRESS



SHANNON CLARK



BRENT CASE



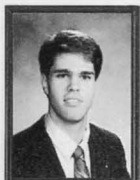
CHARLES DEWEY IV



DANIEL KEOWN



CHAD HURM



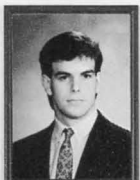
DAVID ST. JOHN



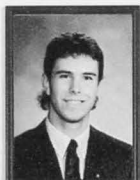
STEPHEN BROWN



DAVE MERRELL



SCOTT O'NEIL



RICK BRIARS



JON BOHLKE



RODNEY WEST



MARK GLASER



DALE CONROY



TOOD MIDKIFF



STEVE ALLISON



CHRIS LUEKING



DAMON CROUCH



KOLBY RIZER



HOWARD SNYDER



BRIAN SULLIVAN



JERROD POTEE



BILL MEYERS



RICHARD DEWAR



DANIEL FEGAN



KELLY PURVIS

Phi Gamma Delta

RHO PHI CHAPTER

19



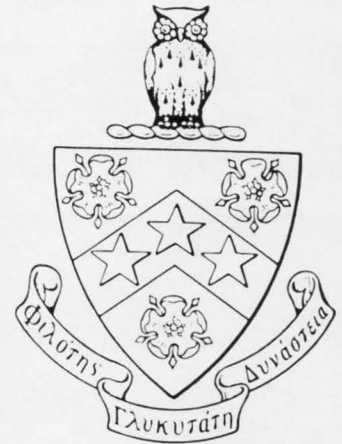
89

Rose Hulman Institute of Technology

Phi Gamma Delta



Above: Hey! Let's play leapfrog.



Right: A Fiji alumni reunion.





BRIAN MEYER RAYMOND FROCHER JAMES WEY NEIL PETROFF MICHAEL MCDONALD STEVE COVES TROY KAWOCH ALLAN THOMPSON DAVID KODYMAN DAVID VALDI CHARLES LANN MICHAEL HOPKINS PAUL D'ISTEFANO KENNETH SWANK ED LUCAS JASON STONE



CHUCK LADS PAUL REIDOLF TIMOTHY MCELROE BRIAN HARRIS DAVID BELKOWITZ MARK EBERT ALAN BRECHART SCOTT BRIDGES LARRY ELSON LARRY HALL GREGORY HALL BRIAN WYTER MARK WALKER ANDREW WALKER



STEVEN VINSON MICHAEL PAGO ERIC ROTH MICHAEL GOWIN MATTHEW LENTZNER MARK REED KENNETH OGDWIN CHUCK OWSEY OLD DREAMER MARK KAZMER



RYAN HANK DAVID VITTOE JOSEPH GALLS RICHARD BERGEN RANDY EAST MATTHEW MORIN



KENNETH FUDGE MICHAEL LENDON DAVID SORCI JASON SORCI GREG COLEMAN



BRYAN DUFFY WARREN MATTSON GREG VALLE JAMES WADMAN JOHN FLECK



GREG SHAWKS MATTHEW WAGLEY MIKE WUNDER JOHN PRICE WILLIAM HALE DAVID DEVORE ROBERT BRADHEAD CHRIS KANDER SHETT MCLARY CLAY ARMSTRONG JASON DUFFLES TODD DUNN SPENCER GREEN RYAN VANDEPOOL SEAN CHAMBERS

Phi Kappa Alpha IOTA DELTA CHAPTER



Rose Hulman Institute of Technology

Pi Kappa Alpha



Pikes started the year in grand fashion by pledging a fine associate class. They continued the year by retiring the scholarship trophy, winning the Delta Gamma's Anchor Splash, and winning nearly half of the events at Greek Games. During the year, Pikes logged over 1300 hours of service to the community with projects such as Adopt-A-Highway, Dobbs Park Project, the March of Dimes Walk America, ringing bells for the Salvation Army, the Light House Mission, and many other fun projects.

Far Above: Hey! Want a bite?

Above: Rockin' and Rollin' at another Pike party.

Left: Pikes throw in Tom Miller after giving the most blood at the blood drive.

Right: Everybody say "Hi!"





RICK KOCKEN



BRIAN BARTLEY



STEPHEN JUNKER



MIKE O'DONNELL



ROBERT ZACHER



RANDALL BISCHOFF



SHAWN FERRON



JAMES KOEHL



MICHAEL HOFFA



BRIAN MEEK



PATRICK SPETH



BARRY SCHNEIDER
PLEDGE MARSHAL



JEFFERY WILSON
HOUSE MANAGER



PETE LANDSGAARD
HOUSE MANAGER



ANDY RICHARDS
RETROD EMBLEM COMMANDER



JERALD HARRIS
EMBLEM COMMANDER



AARON WENDELIN
LIEUTENANT COMMANDER



KURT LOUIS
TREASURER



DAVID KOEHL
NICHOL STEWARD



KEVIN LOVE
RECORDS



BRUCE CARTER



NEIL GLAZE



DARRELL MARSH



CHRIS ARNOLD



DAVID STRICKLAND

Sigma Nu

BETA UPSILON CHAPTER



1989

1990



RON TIMM



STEVEN JACKSON



WILLIAM McQUEEN



STEVEN DINSMORE



JAY TARRH



MATTHEW MYERS



BOB SCHARF



CEVIN BRYANT



TRENT MEYERS



EDWARD HUONDER



JAY AHRENS



JAY SAMUELSON



JAMES BOWMAN



DAVID KYLE



SHANNON GATKE



CLINT MORRIS

Rose Hulman Institute of Technology



GREGORY POSKA



CRAIG LAKER



MARK FRINK



KENNETH BRECH



LYNN GELKER



MIKE FARRELL



JOE REISING



ERIC STEINHACH



TROY WILHELM



SIMONE
MANCINI



DANIEL COREY



ETHAN WARNER



JOE RITZ



KEVIN EHRENRICH



JOHN LUKOWSKI



MIKE POGUE



BRIAN POOLE



MITCHELL CHEATHAM



JEFF BUTTS



ERIC SMITH



WYATT POWELL



TONY PARKER



MICHAEL TURCHI



GREGORY JENSEN



CHAD BROWN

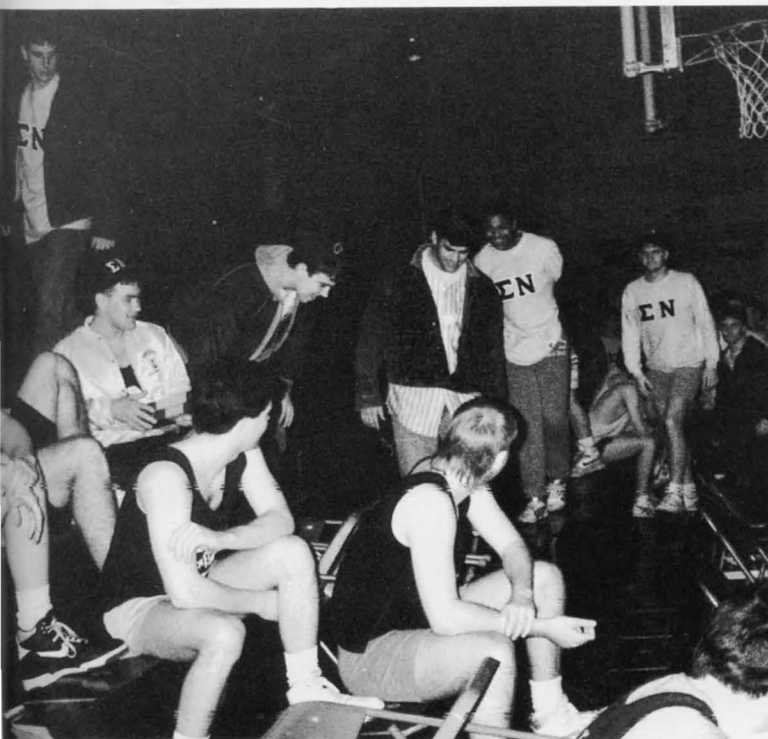
Sigma Nu



Kevin Love and crew design the banner for the Delta Gamma Anchor Splash banner competition.



This year proved to be another good one for the men of Sigma Nu. Major events included their annual Christmas Caroling, which succeeded in bringing joy to all involved, and Delta Gamma sorority's Anchor Splash, in which they were involved for the first time. They were also the proud recipients of the Jess Lucas Spirit Award, which will hopefully become a Sigma Nu tradition. The annual Riverboat Dance was again held in Cincinnati, cruising the Ohio and viewing the city's beautiful skyline.



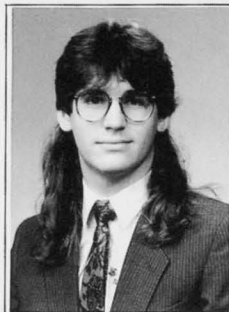
Above: The brothers of Sigma Nu get together for some intramural basketball action.



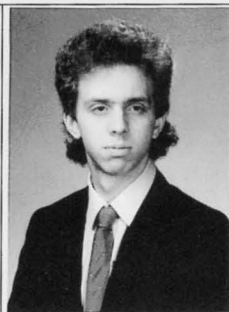
Left: Craig Laker goes up and over Greg Poska for the slam dunk.



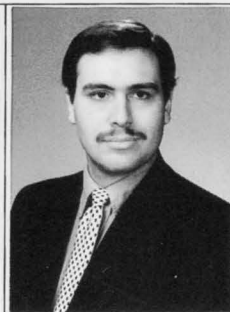
Right: The intersection of Terre Haute's lovely Park and Center Streets.



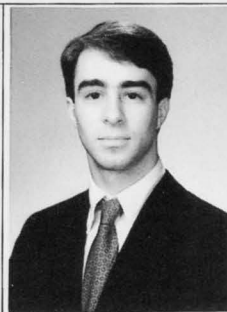
DAVID PETRUSKA
ASSISTANT TREASURER



JAMES CONWAY
SECRETARY



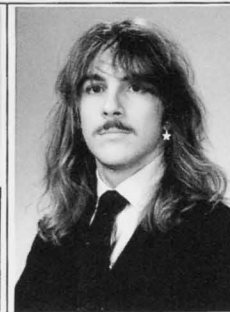
FRED BAATZ
SENIOR HOUSE MANAGER



MIKE BONE
VICE PRESIDENT



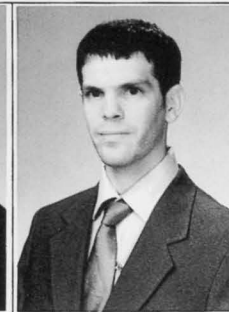
DORIAN PACHECO
PRESIDENT



THOMAS ADAMS
TREASURER



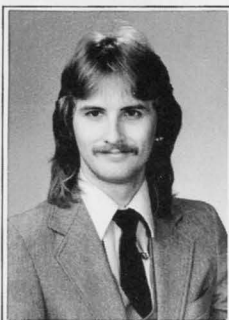
FREDERICK SPINNER
JUNIOR HOUSE MANAGER



PAUL FITTON
SCHOLARSHIP CHAIRMAN



THOMAS E. KLASSEN



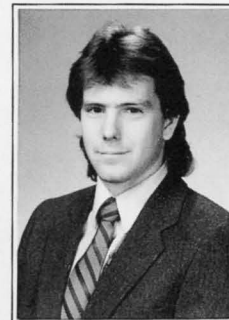
MICHAEL JONES

Theta Xi Kappa Chapter

19



90



JEFF WOODS

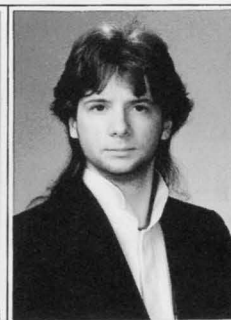


BENJAMIN HICKMAN

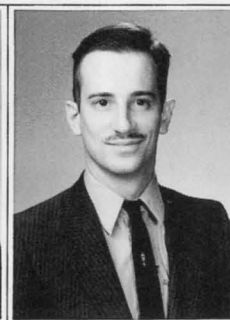
Rose Hulman Institute of Technology



RANDALL SPICHER



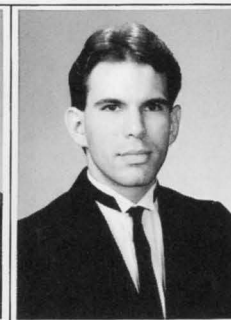
WILLIAM BROWN



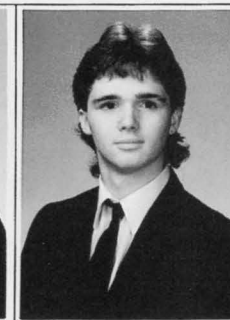
SAMUEL SKINNER



CHRIS ORTH



PERRY CARR



STEVEN KING

— Theta Xi —



Above: Mike Bone and Thomas Adams show us their Halloween costumes.

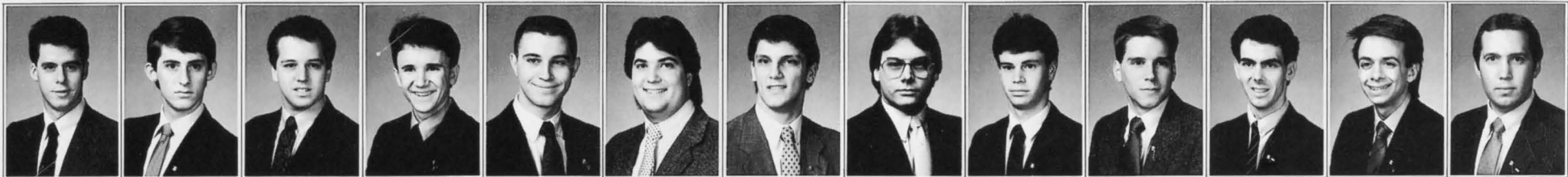


Below: Theta Xis building their pyramid for Greek Games.

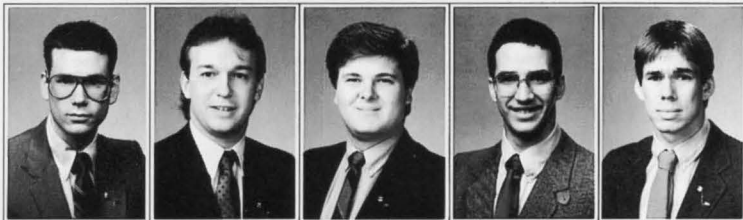




MICHAEL COON DANIEL ENGLISH THEODORE SIEWERT KENNETH JOHNSON CHRISTOPHER CHURNEY STEPHEN SANDERS LARRY COX JOHN BINGS NEIL HOLCOMB THOMAS DUEX JR. TIMOTHY NAHRWOLD TRENT THOMAS AARON LEONG



LYLE CARLSON JIM FORTMAN JOEL FERN JOHN HUSS ACTIVITIES DIRECTOR JAMES WALLS TREASURER JAMES THORP II VICE PRESIDENT GREGORY HEIMANN PRESIDENT RUSS BARRUS SECRETARY KEVIN KOESTERS HOUSE MANAGER MARC d'FAYE STEWARD JAMES CARROLL LUKE MOREHEAD FREDERICK BAKER



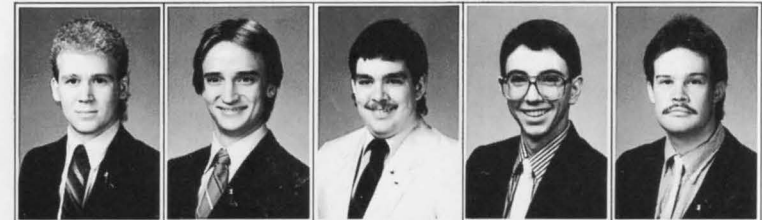
MICHAEL NOWATKOWSKI DERVIS SCHEIB JR. DAVID KONCZAL BRIAN LAKSTINS NICHOLAS GILL

Triangle

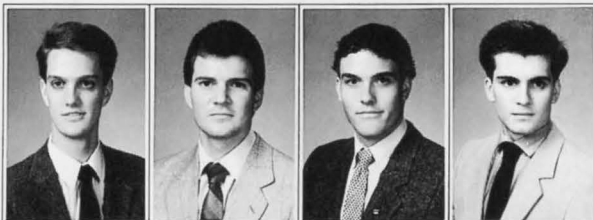
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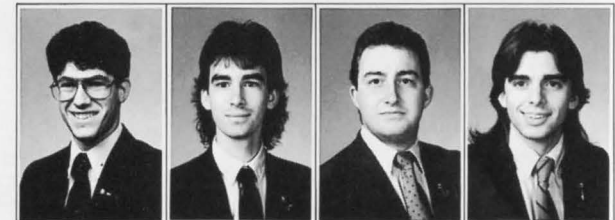


DANIEL DEACON LEE MONSON MICHAEL ECKERT CRAIG WESTMORELAND TOM JONES



TODD BROWN STEVE BLAIR THOMAS WEST DAVID GRIFFIE

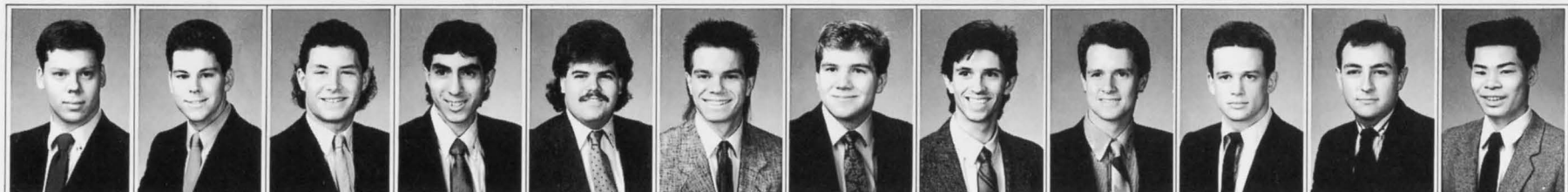
Rose-Hulman Institute of Technology



CURTIS WISCHNEWSKI CHRISTOPHER GOTWALD JIM SUTTON DAVID BROMBAUGH



STEVE KOTTMAN GRAHAM SPENCER TONY SCHY JOHN THOMPSON EDWARD MOTTEL ADVISOR CECIL LOBO ASSOCIATE MEMBER JOHN YING ASSOCIATE MEMBER CARY LAXER ASSOCIATE MEMBER ROBERT LOPEZ ASSOCIATE MEMBER JOSEPH SITES WILLIAM FLOODER JEFF SEEMAN JOSEPH HARDING



EUGENE PETER ERIC CUNNINGHAM R. RUSSELL LAMBERSEN JOHN PIGA CHRIS REED KEN KOZIOLO THOMAS LITTLE JOHN SNIDER H. EDWARD FANCHER ANDREW CAUSEY ANTHONY CAMPITI JASON SSUTU

Triangle

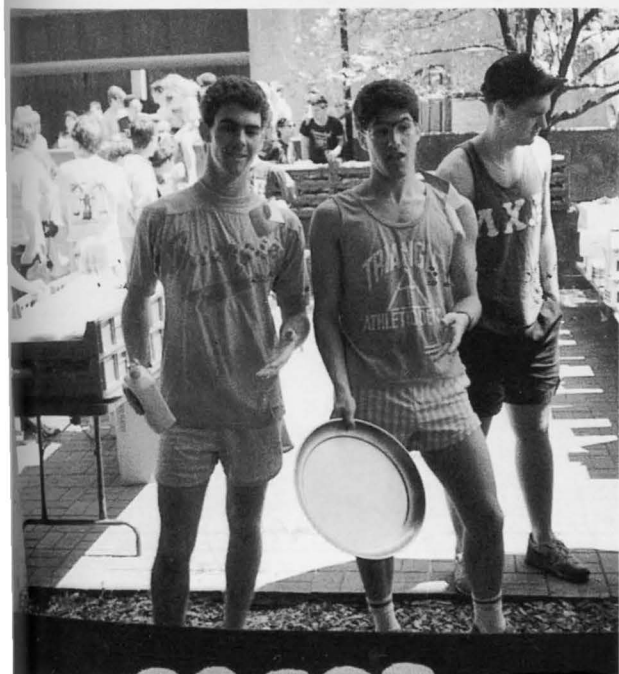
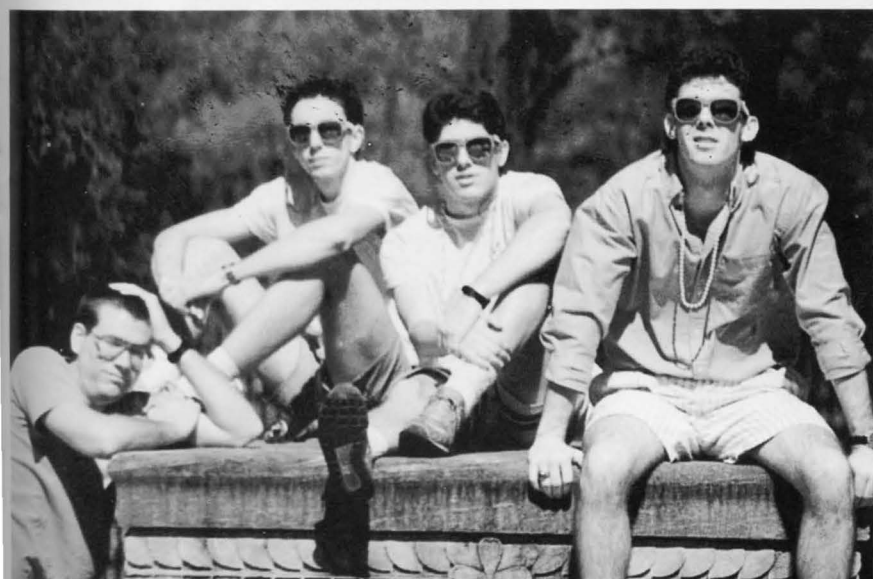


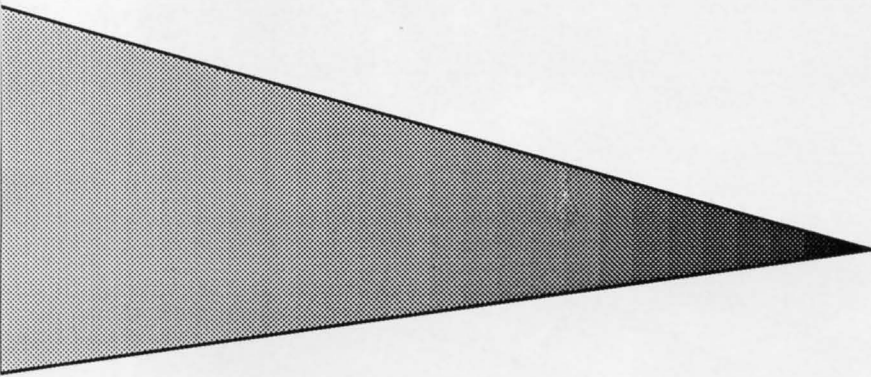
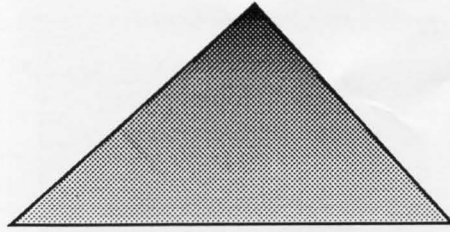
Above: You're all wet.

Middle: Triangles catching some rays at Mardi Gras 1990.

Left: "What do you think, Jimbeaux, one more gallon of lighter fluid?"

Right: Russ, Jim, and Nick hard at work putting the finishing touches on the new driveway.







Athletics

Fourth-Straight Winning Season for Team

It was another record-breaking year for the Rose-Hulman football team in 1989 as nine players put their names into the Engineer record book.

Also, Rose-Hulman, 5-4-1 this past season, closed out the 1980s with its fourth straight winning season — and seventh during the decade. The team had a 60-36-2 record during the 1980s to rank as one of Indiana's most successful small-college teams.

"It shows the commitment our players continue to make toward success in the classroom and on the playing field," says Rose-Hulman Coach Scott Duncan, who accounts for half of those victories — having a 30-9-1 record after his first four seasons in Terre Haute. "Most colleges would love to have our record during the 1980s," he said.

Those same teams would enjoy Ed Huonder, Brian Bartley, Scott Thomas, Todd Foreman and Jerry Harris on their rosters, too.

Huonder, a junior, led Rose-Hulman in receptions (38) to tie Kevin Murphy for third place (100) on the all-time receiving list. Huonder also ranked among the nation's top kickoff return specialists in Division III, averaging 30.1 yards per return. He had two 85-yard touchdown returns during the 1989 season.

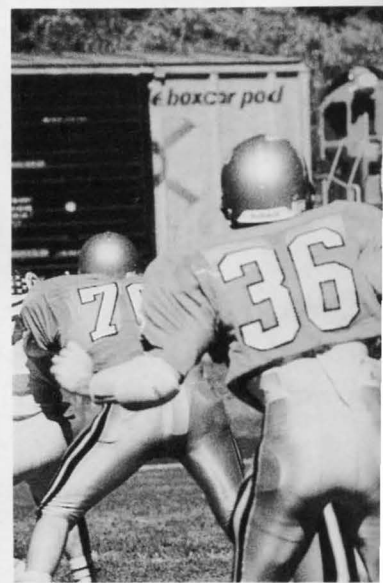
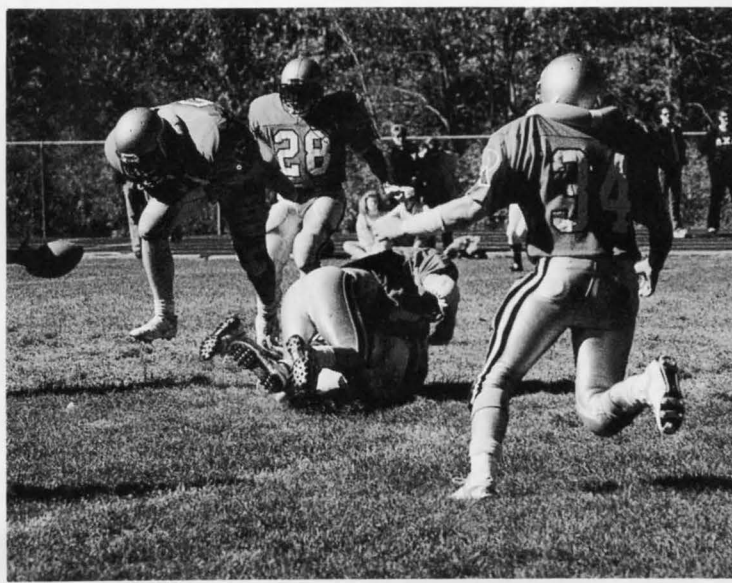
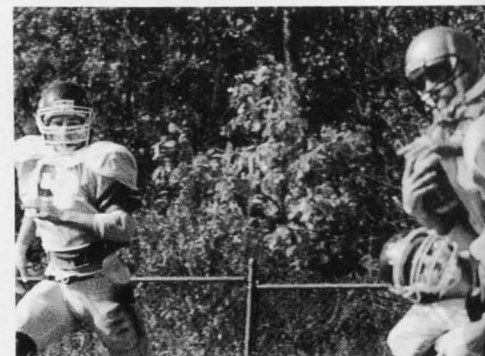
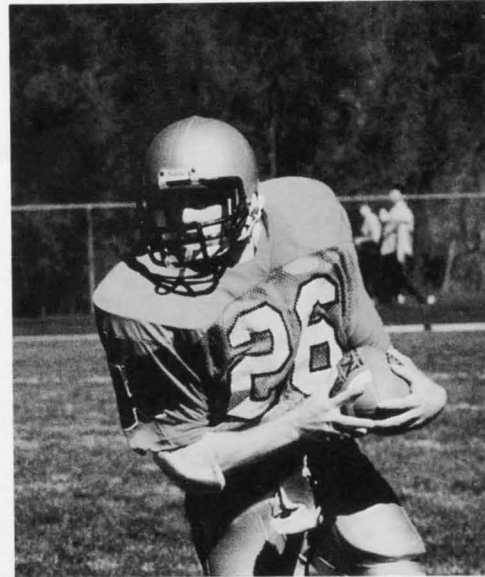
Huonder already ranks as the Engineers' all-time kickoff return specialist, with 572 yards on 19 returns (a 30.1 average).

Bartley, a senior, led the team in receiving yardage (550) and dazzled the crowds at Phil Brown Field with a 76-yard touchdown catch against the University of Chicago (a 46-19 Rose-Hulman win). He moved into sixth place on the all-time receiving list (1,038 yards) this past fall.

Thomas, another senior wide receiver, joined Huonder and Bartley in the record books, placing eighth in both career receptions (69) and yardage (863).

Foreman, a freshman, stepped in to perform admirably throughout the 1989 season. Getting his first collegiate start in the second week of the season, Foreman finished the year with 115 completions for 1,456 and seven touchdowns — statistics already ranking him among the college's top signal-callers.

Captains of the 1989 team were seniors Brett Starr, the team's leading tackler (86); Brian Runkle, a four-year starter at center; and place-kicker Shawn Ferron, who scored 134 points during his career.

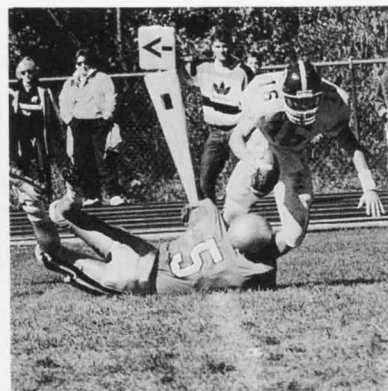
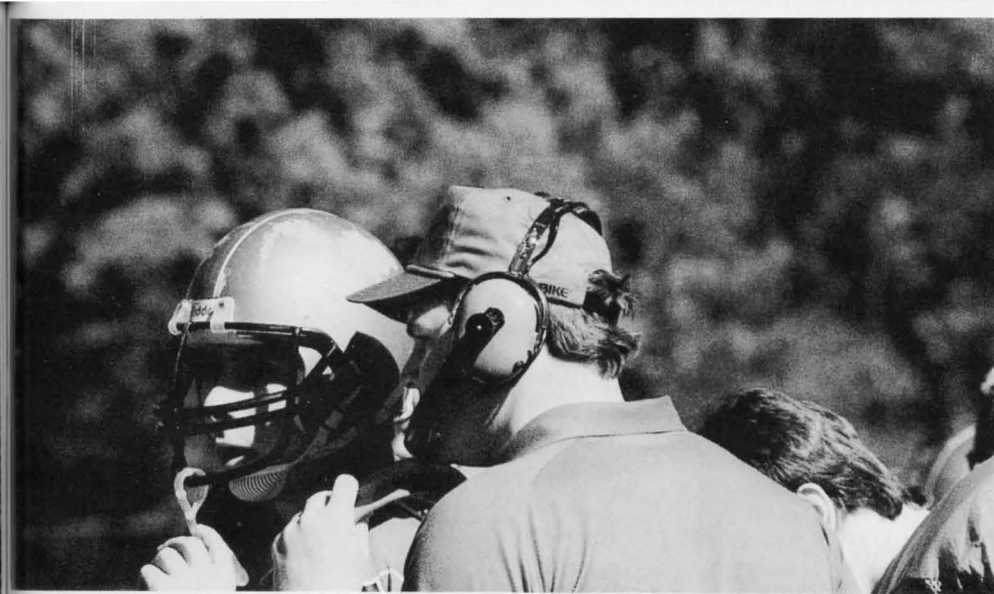


Above: Senior QB Andy Richards sights an open receiver. Right: Another outstanding punt by Steve Dinsmore.



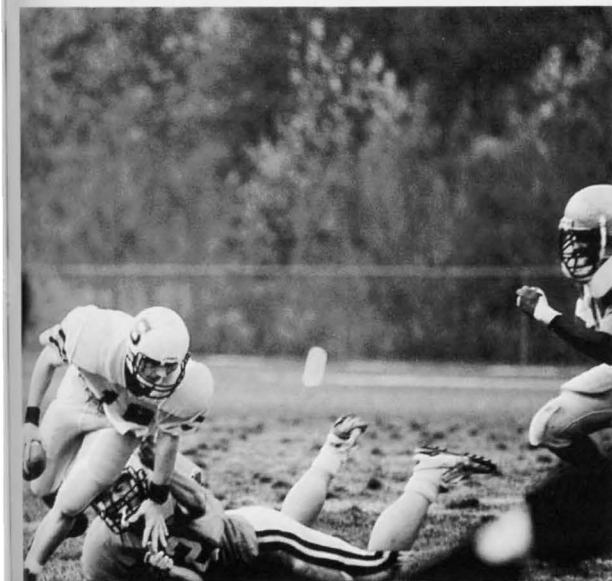
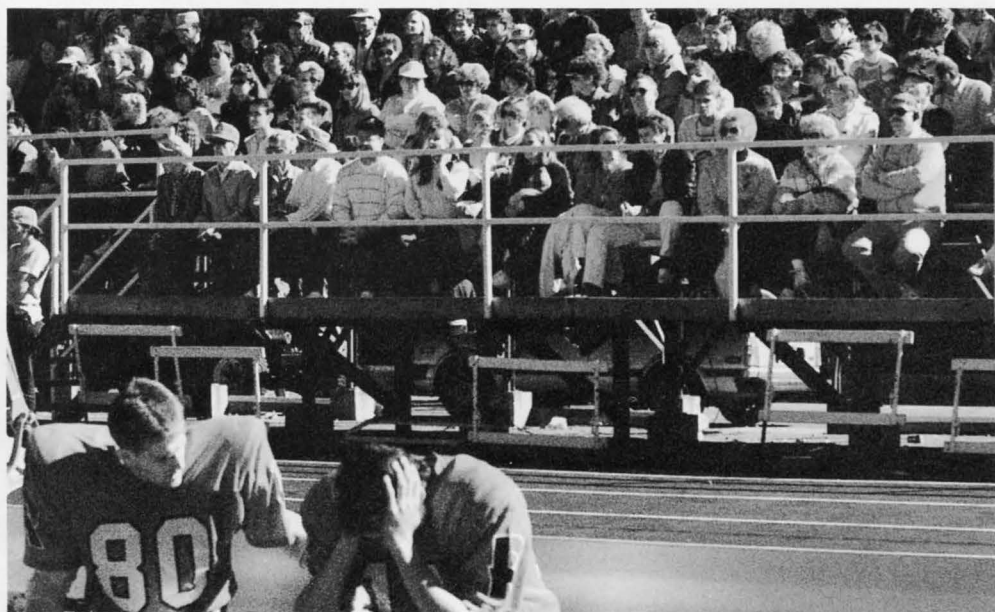
1990 Rose-Hulman Football Scores

Rose	7	Millsaps	7
Hanover	31	Rose	0
Rose	14	Washington	7
Rose	46	Chicago	19
Taylor	35	Rose	0
Rose	22	Evansville	15
UW-Oshkosh	33	Rose	28
Rose	32	Sewanee	20
DePauw	37	Rose	19
Rose	16	Earlham	7



Right: The Engineers face some tough opponent defense. Top Left: Scott Thomas gains some yards for the Engineers. Above: Fourth-year Coach Scott Duncan.

1989 Engineer Football



Todd Foreman, freshman QB, makes a pass (left) and gets advice from senior Mark Montgomery (right).

1989 Rose-Hulman Cross Country

A Prosperous Season For Cross Country

The Rose-Hulman Cross Country team enjoyed a prosperous season in the fall of 1989. Many of the early season goals were reached by the team such as high finishes in the Little State meet (5th place), in the Indiana College Athletic Conference (2nd place), and in the NCAA Regional Championship (7th place). Through hard work, positive attitude, dedication and teamwork the cross country team had reached its goals.

Many of the individual team members improved their performances this year. The most notable runner was Chris Wilson. Chris placed first in the homecoming dual meet against Wabash College. In that race, he set the school course record with a time of 25:47. Chris was the top Rose runner in all but two of the meets in 1989.

Greg Dixon, Bob Jacobs, Jason Lueking, Brian Moench, and Frank Visingardi

gave the team the depth needed to place high in the meets. All of these runners had improved their personal best times for the 8-kilometer distance (all had times faster than 26:45).

Steve Lawrence, Tony Kochert, Brett Mazany, Brad Bechtel, Mark Stremmer, Jesse Penn, and Tracy Grunden were all part of the team this year. Their participation was valued greatly and in the years to come you should see great results from them.

Of course none of this could have been possible without Coach Welch, the newly inducted member into the Indiana Track and Field Hall of Fame. Coach Welch gave all he could to the team this year. All of his runners appreciated his dedication and rewarded him by competing to the extent of their abilities.

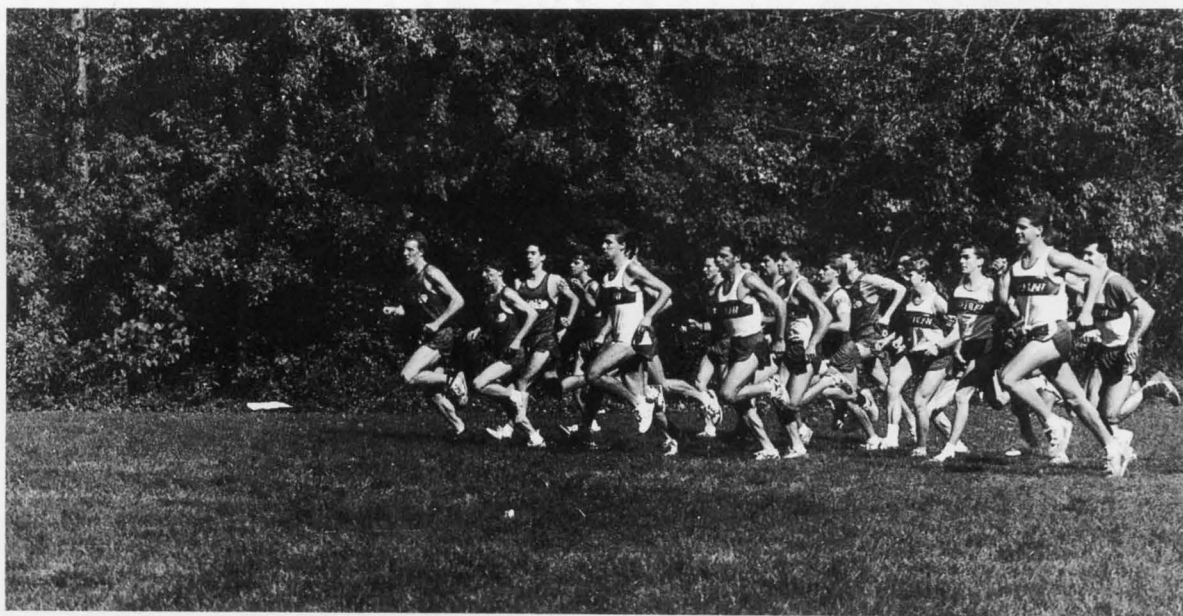
By Frank Visingardi



Right: Brian Moench has the lead in the on-campus run.

Below, right: Seniors Jason Lueking, Bob Jacobs, Brian Moench, Tony Kochert, Frank Visingardi pose with Coach Welch.

Below, left: Bob Jacobs pulls out in front of the pack.



1989 Cross Country Placing

Bellarmino Invitational — 2nd of 12
Midwest Collegiates — 16th of 28
Danville, Ill., Invitational — 2nd of 15
Wabash College — L 21-38
Indiana Intercollegiate — 7th of 21
Indiana Collegiate Athletic Conf. —
2nd of 8
at NCAA Regional, Albion, Mich. —
7th of 26



1989 Rose-Hulman Soccer

Soccer Squad Improves

In a season filled with its share of ups and downs, the Rose-Hulman soccer team continued to show improvement.

There were several positive points regarding the 1989 season, including:

- The team posted more wins (six) and goals (26), while allowing fewer goals (35), than during 1988.
- The team, 6-11-2 this fall, was quite competitive against a challenging schedule — leading or being within striking distance at haltime of every match.
- The team tied for third place in the Indiana Collegiate Athletic Conference.

"It was gratifying to end the year on a positive (1-0 over the University of Indianapolis) note," says coach Greg Ruark, completing his second year with the Rose-Hulman program.

"Hopefully, we learned several lessons this year.

Those experiences should carry over to make us a better team next year," Ruark said.

The future does seem bright. Forwards Todd Logan and Andy Causey, the team's top two scorers in 1989, give Ruark a good nucleus of talented players to build more successes upon next season.

Logan scored six goals during his junior season. Causey, a sophomore, had five goals.

Senior forward Dan Palazzolo finished the season with two goals and one assist in the team's final four matches. He finished the year with three goals to tie fellow senior Garrett Gehlhausen in the scoring statistics. Palazzolo led the team with seven assists. Senior midfielder Alan Radomsky scored two goals and had two assists this past season.

Senior defenders Mark Schulz and Dan Vetter joined Palazzolo as captains of the team.



Top: Eric Smith

Left: A race for control of the ball.

Right: The opposition attempt a steal from soph. Andy Causey.



Left: Coach Ruark

1989 Soccer Scores

Rockford College	— L: 2-1
MacMurray College	— T: 1-1
St. Joseph's	— W: 2-1
Taylor	— L: 1-0 OT
Manchester	— W: 4-0
Ill. Benedictine	— L: 3-1
MacMurray	— L: 3-1
Anderson	— W: 3-1
Principia	— L: 1-0
Maryville, Mo.	— L: 1-0
IUPUI	— L: 5-0
Franklin College	— W: 5-2
Millkin University	— T: 2-2
Thomas More College	— W: 2-1
DePauw University	— L: 5-1
Butler University	— L: 3-1
Greenville College	— L: 2-1
Wabash College	— L: 1-0
Univ. of Indianapolis	— W: 1-0

1989 Rose-Hulman Basketball

Basketball Team Finishes Hot For 17-9 Record

The curtain came down just as the Rose-Hulman basketball team was warming up for the 1989-80 season.

The Engineers won their last three games to finish with a 17-9 record — barely missing a second straight trip to the NCAA Division III post-season tournament.

"We played our best basketball in the last two weeks of the season," said Rose-Hulman Coach Bill Fenlon, whose teams have won 36 of 53 games (68%) during the past two seasons. It's a shame the season couldn't have lasted a few more weeks. The players — especially our seniors — were putting it all together against some good teams."

Yes, Rose-Hulman may have been the hottest team in the Indiana Collegiate Athletic Conference in late February — outscoring opponents by a 15-point margin in the final three games — victories over Wabash College (69-50), Taylor University (67-57) and Manchester College (75-59).

A 55.3-point defensive average over the final stretch helped push the team's seasonal average to 63.2 points a game — ranking among the top 15 of all Division III teams.

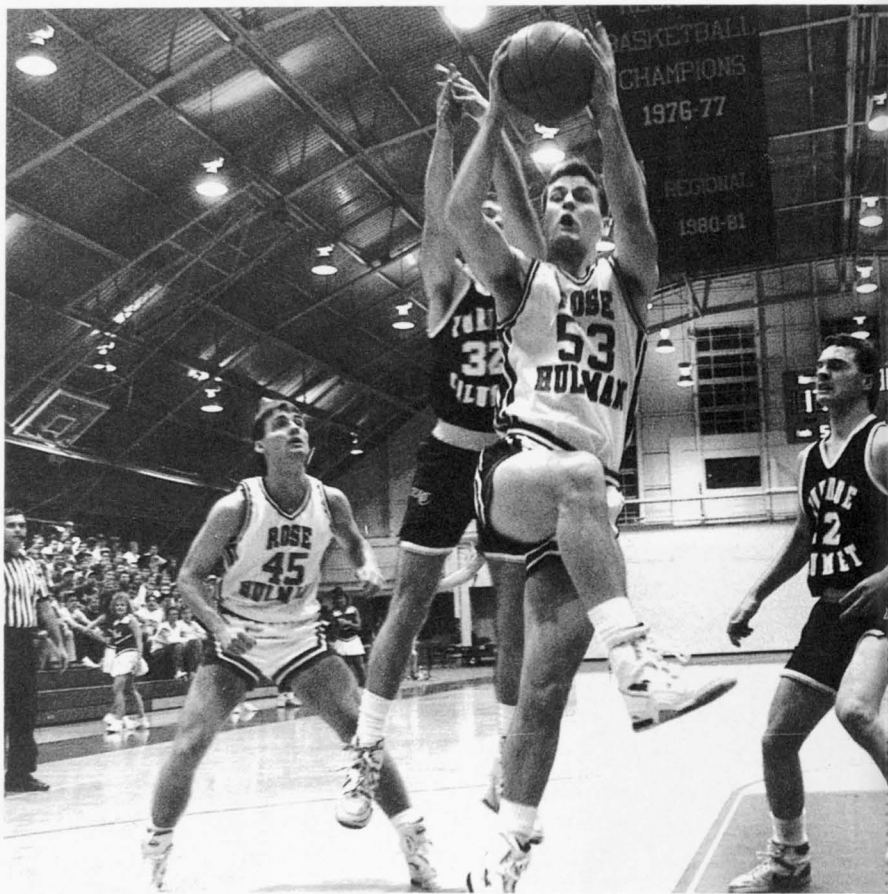
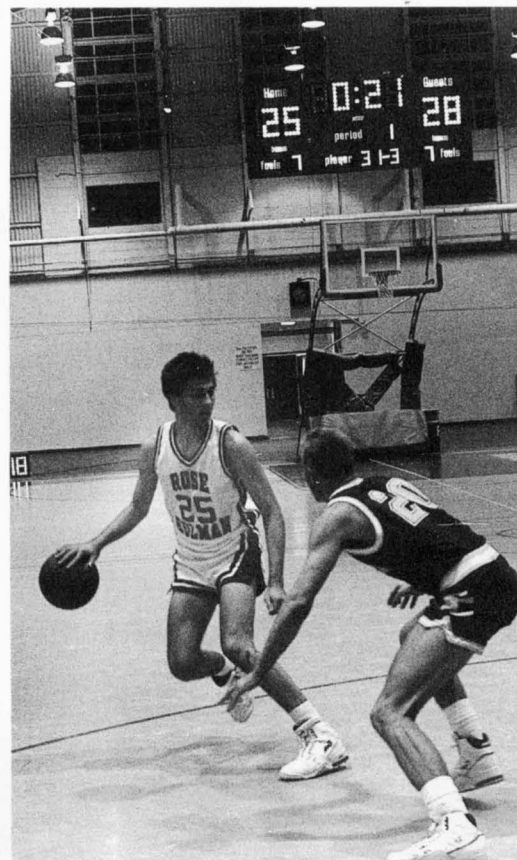
"Some people may have expected more from this team, but in some re-

spects it exceeded my expectations," Fenlon said. "The players set lofty goals for themselves — some of which may have been beyond reach.

"I'm not disappointed. We had a great season. We won 17 games playing what may be the toughest schedule in Rose-Hulman history. With the exception of one game (a 77-50 loss at Taylor in late January that the team avenged, 67-57, in February), we were in a position to win every game. That's all I can ask. We had some misfortunes, but overall we had some good times."

The Engineers, who had a 10-2 home record this past season, finished fifth (8-6) in their first ICAC season.

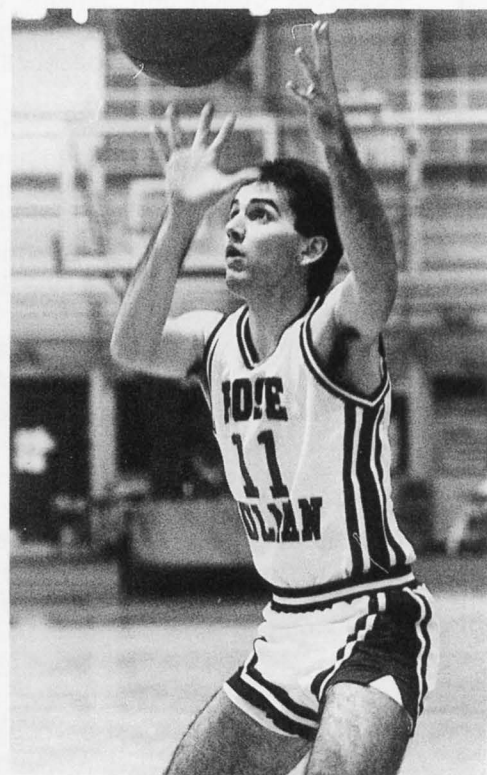
"This is a tough league," Fenlon noted. "Some people questioned if we could be



Top: Ron Steinhart dodges the opponent from Franklin.

Above: Rodney Adams puts one up for 2 points in the game against Purdue-Calumet.

Left: Crowd support is crucial



Above: Coach Bill Fenlon led the team to 17 victories during the season.

Top Right: Dusty DeHaven takes a jump shot.

1989-90 Rose-Hulman Basketball Scores

Blackburn	— L: 79-70
Washington	— L: 63-51
Purdue Calumet	— W: 75-55
MacMurray	— W: 62-59
Franklin	— L: 83-81
Thomas More	— W: 78-62
Eureka	— W: 64-55
Earlham	— W: 91-47
Greenville	— W: 68-61
Brescia	— W: 75-72
Allegheny College	— L: 66-64
Ursinus College	— W: 77-58
Lindenwood	— W: 69-64
DePauw	— L: 57-55
Anderson	— W: 89-79
Wabash	— W: 63-61
Hanover	— W: 72-69
Franklin	— L: 70-67
Taylor	— L: 77-50
Manchester	— W: 58-56
Anderson	— W: 70-61
DePauw	— L: 64-53
Hanover	— L: 69-65
Wabash	— W: 69-50
Taylor	— W: 67-57
Manchester	— W: 75-59

competitive in the ICAC. I think we answered that question. Now we've got to prove we can win the league championship."

Fenlon will have a good nucleus to prove that point next season. Forward Britt Petty, a junior from Terre Haute, was twice named the ICAC's Player of the Week last season. He led the team in scoring (18.2 points per game) and blocked shots (17) for the second straight season.

Other top returnees should be junior forward Dan Keown, who averaged 9.9 points a game; junior guard Mark Christman, who started 20 games; and junior forward/center Rodney Adams, who scored a career-high 18 points in the season finale.

Also, the junior varsity team had a 9-2 record — beating DePauw, Wabash and Franklin.

Center Tim Cindric led this year's senior class, averaging 12.8 points and six rebounds a game. The mechanical engineering major from Indianapolis finished his career with 1,083 points and was a second-team selection on the 1990 District 5 GTE Academic All-American team for college division players.

Other seniors included guard Ron Steinhart, a four-year letterman and Rose-Hulman's third-ranked career assist leader (324 to tie Tom Butwin); guard Dusty DeHaven, who started the last seven games and scored a career-high 33 points against Anderson University in early February; guard Phil Eckert, who played in all 26 games and collected 33 assists; and forward Trevor Olsen, a reserve who averaged 2.8 points and 2.1 rebounds a game.

1990 Rose-Hulman Baseball

Baseball team makes great strides

First-year Coach Jeff Jenkins didn't waste much time turning around the fortunes of Rose-Hulman's baseball program.

After winning just seven games in 1989, the Engineers just missed having a winning season (16-17) this past spring. The team had victories over Wabash College, DePauw University, Manchester College, Taylor University, IU — Southeast and Millikin College.

Rose-Hulman tied for seventh place in the eight-team Indiana Collegiate Athletic Conference, posting a 4-10 record in league play.

The future does look bright as the team graduates just one senior, most valuable player Kyle Thompson. The second baseman led the team in doubles (13) and walks (19) while having a .367 batting average.

Top players for next season should be first baseman Kevin Patterson, who posted the team's highest batting average (.370); shortstop Kevin Kluemper, who led the team in runs scored (30) and

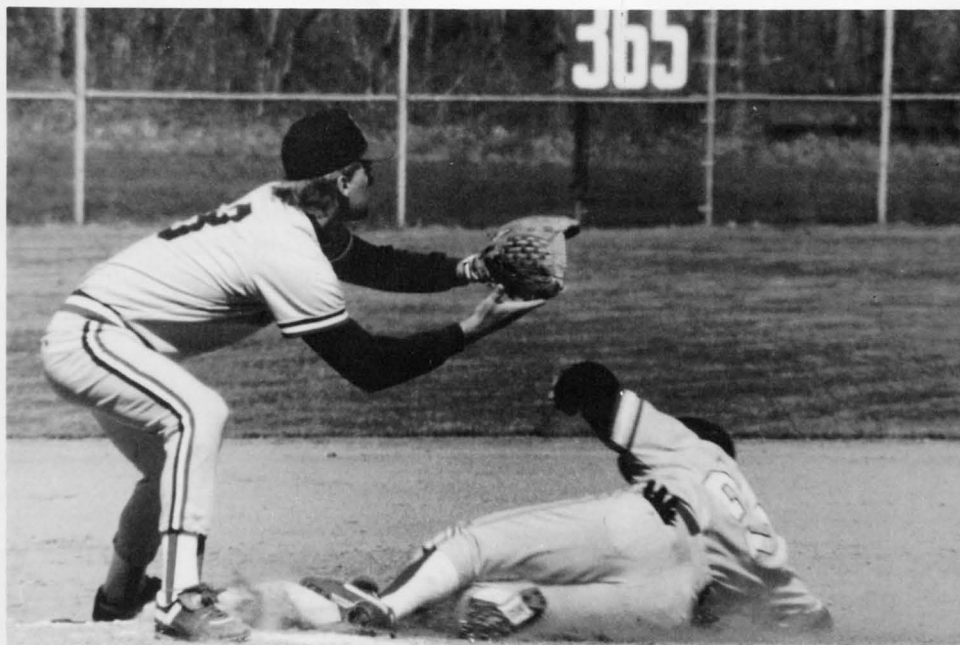
hits (39); outfielder Neil Glaze, whose .348 batting average in ICAC games was good enough to earn all-league honors; and third baseman John Sherrard, who had a .350 batting average.

Jenkins also has a stable of quality pitchers, including right-handers Marc Bastian, Dave Gowans, and Tim Watson.

Bastian earned honorable mention all-ICAC and regional honors this spring after having a 6-2 record and 1.95 earned run average. He had a 2-2 record with a 1.25 ERA in league games — being on the losing end of two one-run defeats. He was named the Engineers' most improved player at the team's banquet earlier this month.

Gowans started the season with a 2-0 shutout against Bluffton College. He finished with a 4-3 record and a team-high 42 strikeouts in 52 innings.

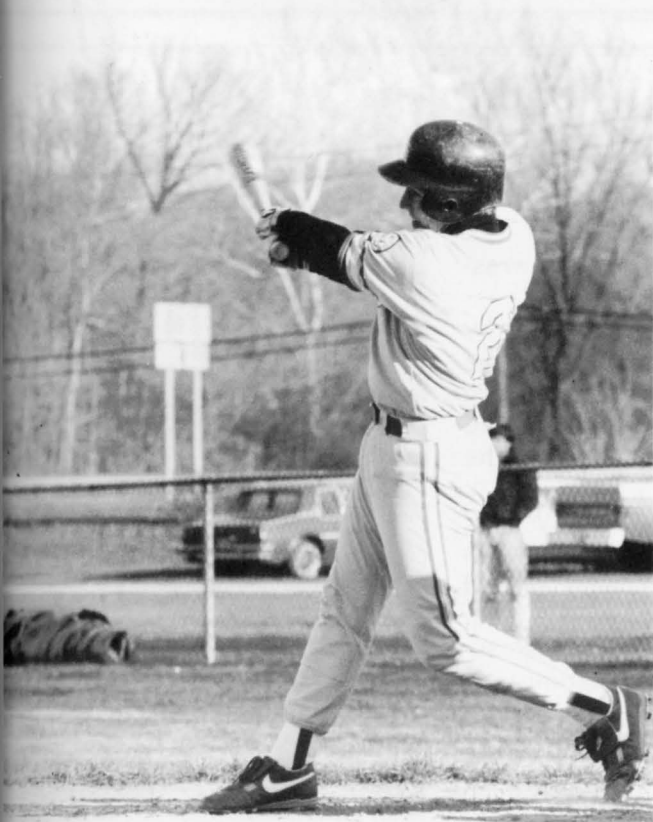
Watson, a 6-foot-8 freshman, was named the team's Newcomer of the Year after having a 3-3 record and 4.31 ERA.



Top: Dave Gowans warms up.

Above Left: Chad McQuillen safe at 3rd base.

Above Right: First-year coach Jeff Jenkins



Left: Kyle Thompson
smacks one.

Below Left: Home Run!

Below Right: Doug Ream
slides into 2nd on a steal



1989-90 Rose-Hulman Wrestling

Sophomore Wrestler Dominates ICAC

What's Matt Morin going to do for an encore?

This is what the sophomore applied optics major from Spencer has accomplished the past two seasons for the Rose-Hulman wrestling team:

- A 48-11-1 overall record (80 winning percentage)

- Two Indiana College Athletic Conference championships in the 150-pound weight class

- Consecutive top 6 finishes in the NCAA Division III regional tournament (including qualification for the national championships in 1989)

"In just two years, Matt has gained quite a reputation for quality and workmanship on the wrestling mat," said Rose-Hulman Coach Dan McGrath of Morin, a former Indiana high school champion at Owen Valley High School. "Matt exhibits near-perfect technique. Spectators don't take

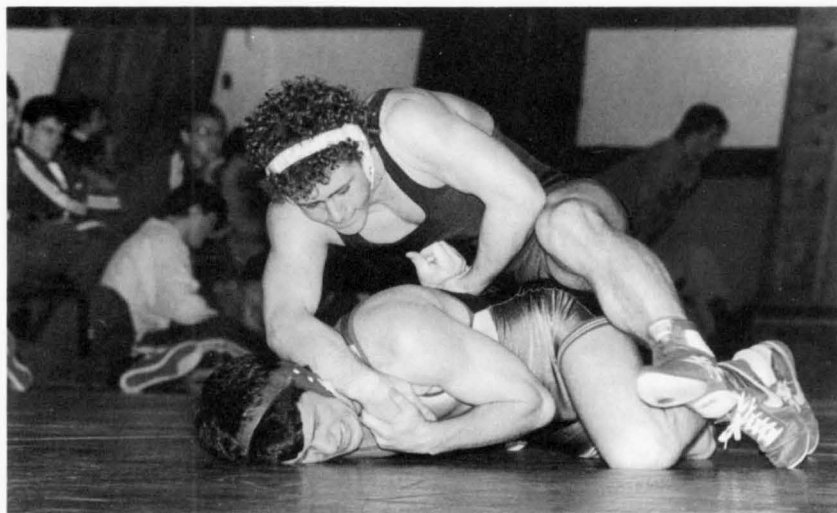
their eye off the mat whenever Matt wrestles a match."

Morin lost two hard-fought matches by identical 3-2 scores Feb. 22-23 at the NCAA regional tournament at Augsburg College near Minneapolis, Minn. He had been the second-ranked wrestler in the weight class.

Morin joined junior Jim Winkley (142 pounds) in winning ICAC championships this winter. Overall, the Engineers finished third in the league tournament. The team also finished third in the five-team Rose-Hulman Invitational in early February.

Winkley finished the year with a 17-14 record in one of the nation's toughest weight classes.

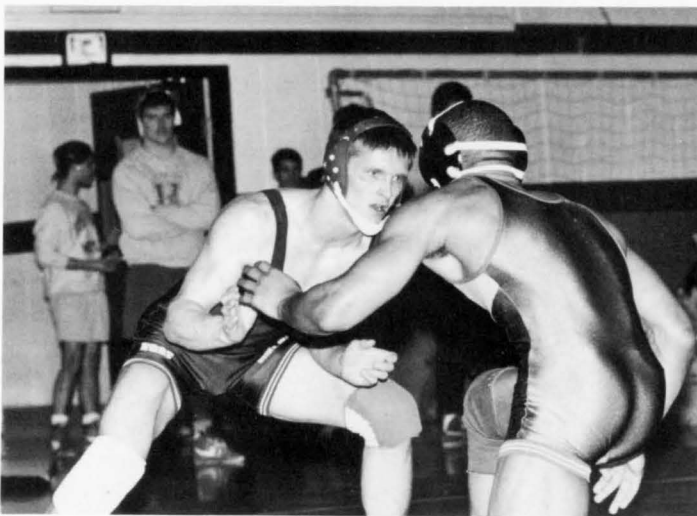
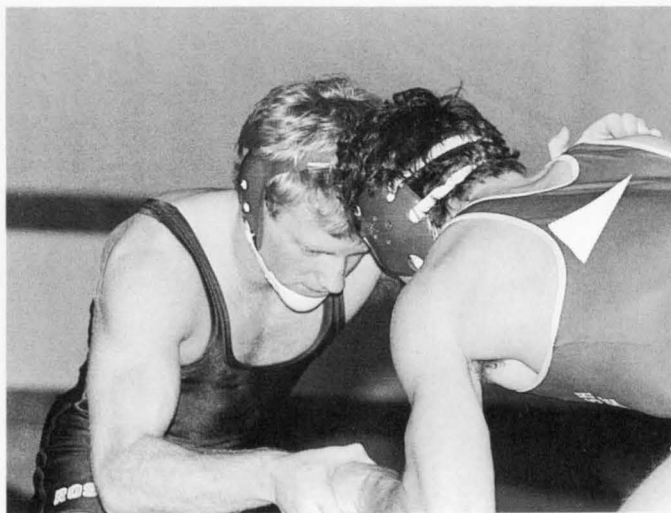
Other members of the 1989-90 team included seniors Brian Engle, at 126 pounds, and Spiro Megremis, at 167; junior Matt Murphy, at 134; sophomore Dave Koehl, at 158; and freshmen Jeff Haggerty, at 134; and Dan Corey, at 190.



Above Right: Matt Morin in another victorious match

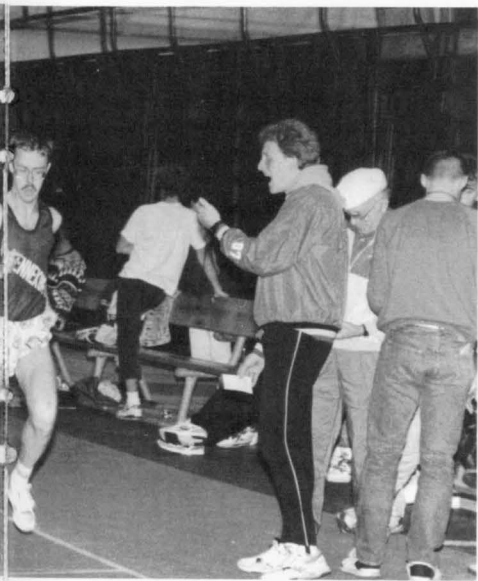
Above Left: Dave Koehl Challenges the opponent

Right: Matt Murphy in action.



1989-90 Rose-Hulman Track

Track teams lose talented seniors



It's not surprising that seniors took home most of the awards at the track team's year-end banquet. After all, members of the 1990 senior class of runners may have been in a class by themselves.

Consider, if you will, that Brian Bartley, Jason Lueking, Brett Starr and Bob Jacobs won Indiana Collegiate Athletic Conference championships that past two spring seasons.

Also consider that Bartley and Jacobs represented Rose-Hulman at NCAA Division III indoor or outdoor national championship meets in 1988 and 1989.

Finally, consider that the Engineers won three conference championships during their four-year careers and you get a pretty good idea why Coach Bill Welch says: "This class will be greatly missed."

Other seniors on the 1990 team were sprinter Rick Kocken, distance runners Brian Moench and Frank Visingardi, and field event specialist Scott Strayer.

The 1990 team won several conference titles

during the outdoor season — the 100th in Rose-Hulman history. Bartley set ICAC records in winning the 100-meter high hurdles and 400-meter intermediate hurdles events for the second straight season. Lueking won the 1,500-meter run event, while Larry Boxler placed first in the pole vault (15-foot-3 ¼) — and qualified for the NCAA Division III outdoor national championships.

Overall, the Engineers finished fifth at the ICAC meet — a few points out of third place.

Bartley was named the team's most valuable sprinter this season; Lueking took top honors in the middle distance category; while Boxler joined discus thrower Tom Gorsich as co-MVP's among the field event athletes.

"This year's seniors were a great group of outstanding competitors and student-athletes," said Welch. "I'll remember this group for their leadership and personal friendships more than any record or conference championship. They were a pleasure to coach."



1990 Rose- Hulman Swimming

Varsity Swim Makes Splash Debut

Rose-Hulman competed in its first varsity swim season this year. Making the biggest splashes were sophomore Mike Lesniak in the 50- and 100-meter freestyle events; freshman David Huff, 200-meter individual medley; and sophomore Ed Fancher, 100-meter backstroke.

Above: Hurdle and shot put action.

Right: Larry Boxler, Rose's outstanding pole vaulter.



1990 Rose-Hulman Tennis



Netters show strong finish

Once the 1990 Rose-Hulman tennis team got warmed up, the Engineers were among Indiana's hottest small college teams this past spring. Coach Dan Hopkins' team won six of their last nine matches to have a 6-14 record.

"The team really played good tennis after winning a few matches," observed Hopkins, whose team didn't win a match in 1989. "Now, they've got confidence in themselves and their play abilities."

Top players included No. 1 singles player Eric Berzsenyi, who had a 12-15 record; Tri Vu, 13-12 at No. 3 singles; and Chris Halioris, 10-13

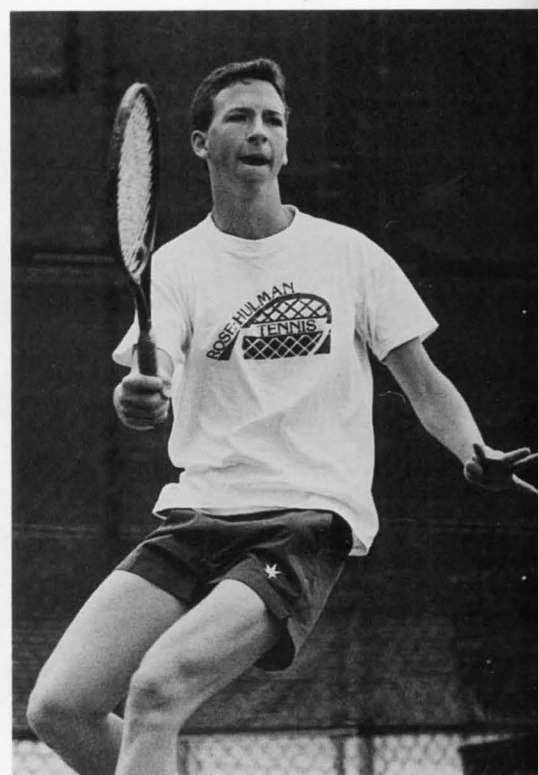
at No. 6 singles.

"This team came a long, long way," noted Hopkins. "We played a tough schedule. We could have had a winning season, if I had scheduled weaker opponents. But, as you can see, the tougher competition paid off for us at the end of the season. It should make us even better for next fall and spring."

Other members of the team this spring included Steve Brown, at No. 2 singles; Tony McAllister, at No. 4 singles; Jonathan Drew, at No. 5 singles; and doubles player Neil Petroff.

Halioris and Petroff were the only seniors on the 1990 team.

Members of 1990 Tennis Team Were: Neil Petroff, Eric Berzsenyi, Steve Brown, Tri Vu, Chris Halioris, Tony McAllister, and Jonathan Drew. Participants were: Craig Lambert, Theron Nelson and Jim Miyoshi.



1990 Rose-Hulman Golf



Members of Golf Team were: Scott Salter, Rich Lesniak, Mark Schuld, Mark Reedy, Mike Bergenthal, Chris Posey, Alan Waggoner, Wade Stockton and Matt Remke. Participants were: Brian Hall, Troy Wilhelm, Clay Armstrong and Chris Gessaman.

Posey earns all-conference honors

From the first match, Rose-Hulman golf Coach Gene Mitz knew freshman Chris Posey would make a significant contribution to the 1990 team.

The Terre Haute native didn't let Mitz down, earning All-Indiana Collegiate Athletic Conference honors this past spring. Posey shot a 36-hole 165 score to tie for eighth place in the 1990 ICAC tournament at the difficult Hulman Links Golf Course in Terre Haute.

"Chris didn't play like a freshman. He was aggressive on the course," said Mitz, whose team

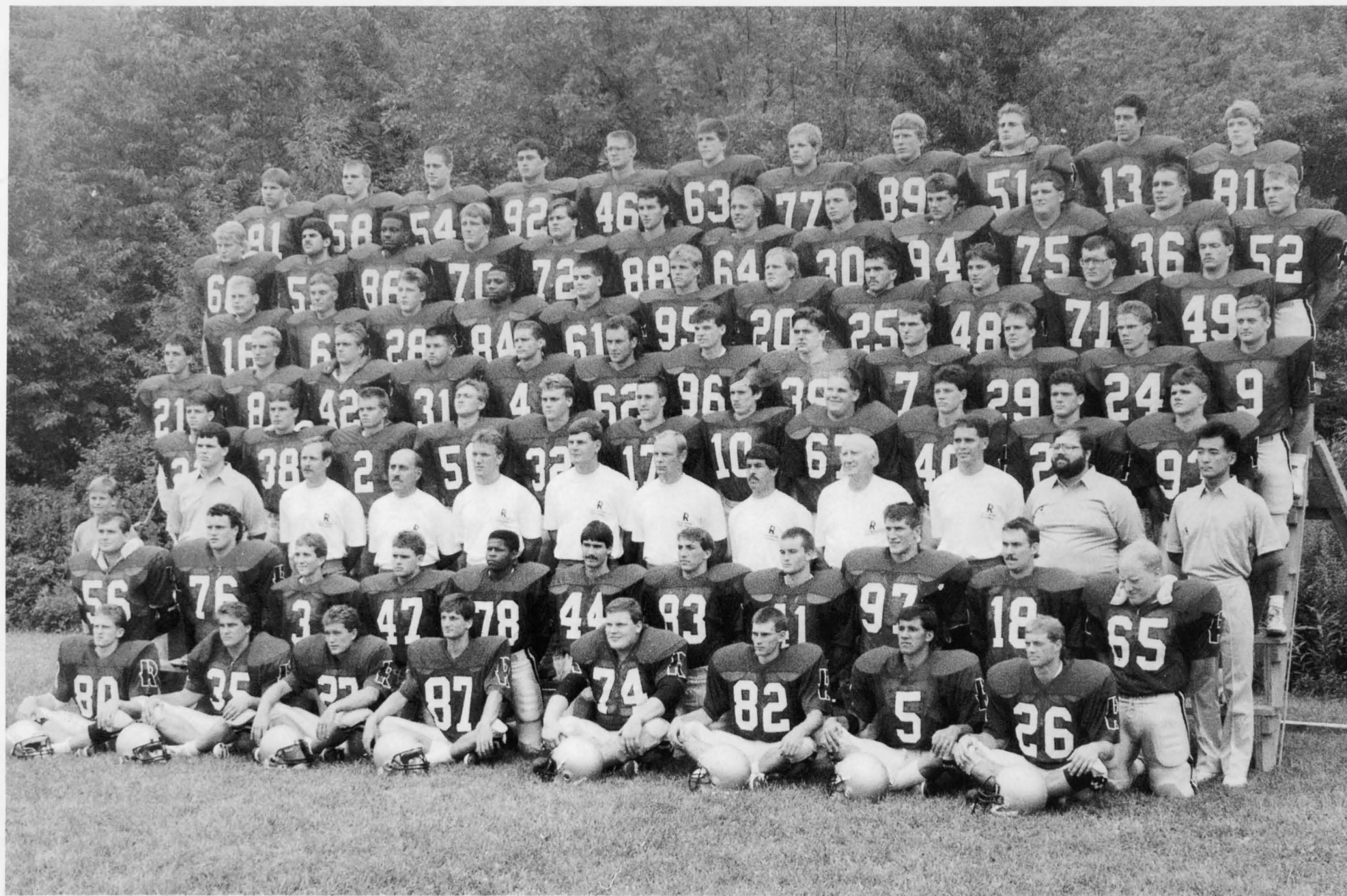
placed sixth in the league tournament.

The team's future should be bright, with underclassmen posting the Engineers' top three scores in the ICAC tournament. Following Posey were freshman Wade Stockton (174) and junior Mark Schuld (176). A few days after the ICAC meet, freshman Alan Waggoner fired a 151 score to lead the Engineers at the Wittenberg Invitational Tournament.

Seniors Rich Lesniak and Scott Salter provided leadership to this year's team.



1989 Football



Members of the 1989 Engineer Football Team were: B. Runkle, Brett Starr, B. Bartley, C. Bryant, S. Dinsmore, S. Ferron, G. Harris, E. Hounder, J. Koehl, N. Rumsey, P. Speth, S. Thomas, L. Dickerson, D. Flynn, K. Godwin, M. Guerrattaz, J. Hulbert, S. Jackson, D. Kyle, J. Mathews, M. Montgomery, A. Richards, B. Schneider, S. Strayer, M. Webster, J. Wilson, B. Schwager, T. Anderson, D. Baily, J. Bowman, K. Brech, D. Childers, K. Ehrenreich, T. Foreman, S. Gatke, K. Greene, S. Hill, P. Landsgaard, J. Lukowski, G. Meyne, B. Poole, D. Strickland, M. Warstler, R. Berman, C. Boston, J. Butts, M. Cheatham, D. Corey, T. Dall, M. Durno, G. Hendricker, G. Jensen, P. Kasper, K. Koziol, C. Laker, K. Louis, F. Low, K. Mangis, K. Parker, G. Poska, K. Powell, J. Reising, J. Ritz, J. Samuelson, M. Schaffer, E. Smith, B. Stacey, E. Steinbach, B. Stilwell, R. Timm, M. Turchi, E. Warner, and A. Wuethrich.

1989-90 Coaching Staff



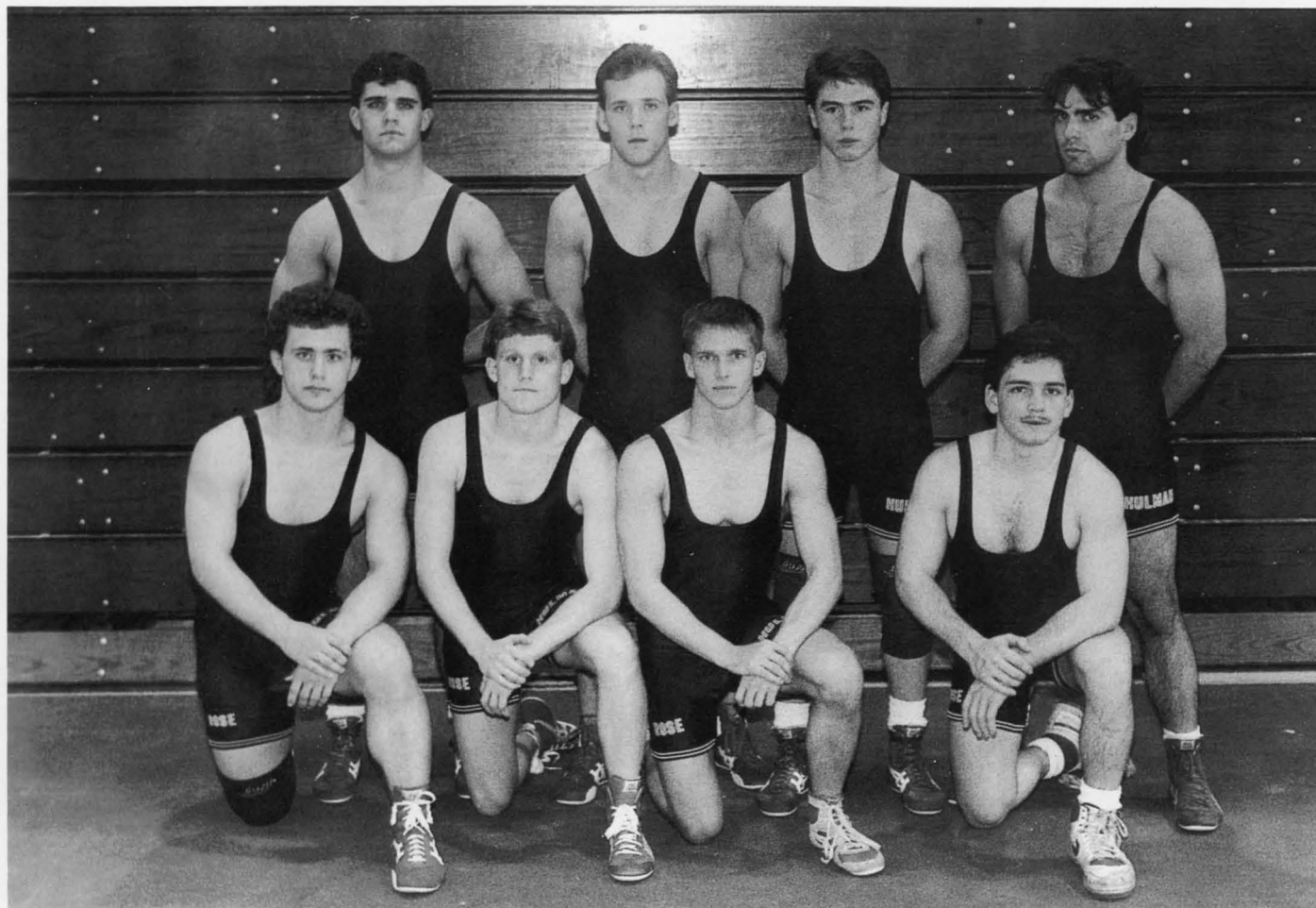
Front: Gene Mitz (Golf Coach), Russ Mollet (Asst. Football Coach, Track Coach), 2nd: Jim Shaw (Asst. Basketball Coach), George Patterson (Asst. Football Coach), Jeff Jenkins (Baseball Coach), Greg Ruark (Soccer Coach), Bill Welch (Cross Country Coach, Track Coach), Rick Shaw (Athletic Trainer). Back: Scot Duncan (Athletic Dir., Football Coach), Linda Sears (Athletic Dept. Secretary), Bell Fenlon (Assoc. Athletic Director, Basketball Coach). Not Pictured: Dan Hopkins (Tennis Coach), Dan McGarth (Wrestling Coach).

1989-90 Basketball Team



(Front row) Mark Christman, Brian Sullivan, Dusty DeHaven, Scott Woods; (Second row) Scott Beach, Dan Keown, Paul Hedinger, Phil Eckert; (Third row) Shawn Brainard, Ron Steinhart, Brian Alexander, Britt Petty, Chris Hammond; (Top row) Tim Cindric, Andy Hendricks, John Lacheta, Trevor Olsen, Corey Ottens, Rodney Adams.

1989-90 Wrestling Team



Back: (Left to right) Warren Mattson, Jim Winkley, Jeff Haggerty, Spiro Megremis; Front: Matt Morin, Sean Chambers, Matt Murphy, Brian Engle;
(Not pictured) Mike Crist, Dave Koehl, Dan Corey.

1990 Baseball Team

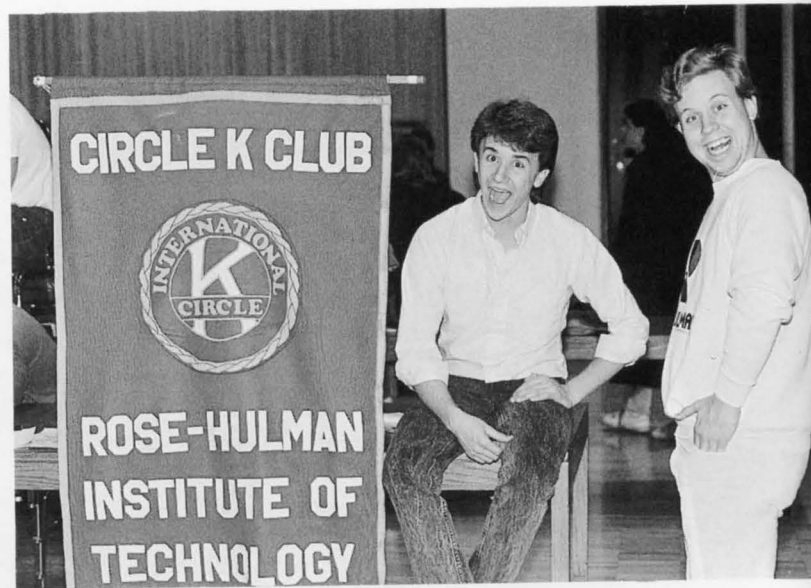


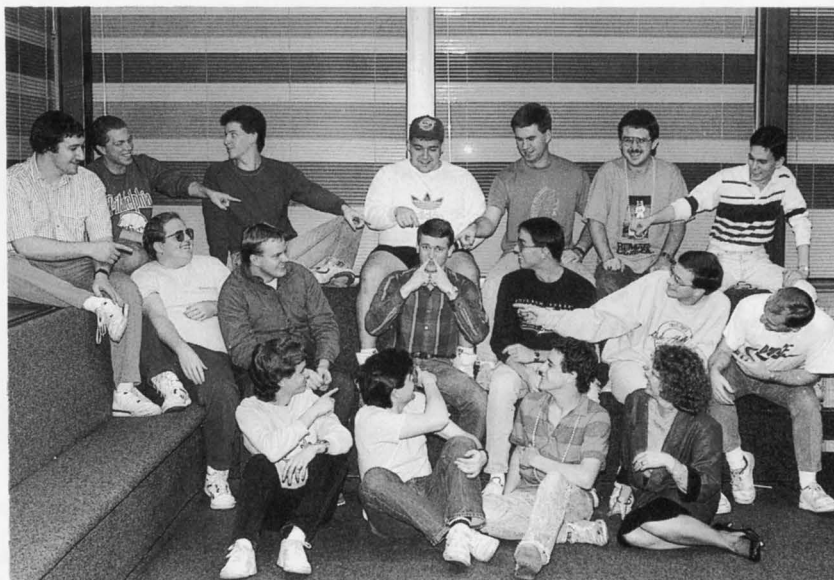
1990 Baseball Team included: Kyle Thompson, Marc Bastian, Neil Glaze, Ed Huonder, Kevin Kluemper, Kevin Patterson, Shane Cox, Eric Cunningham, Nick Gill, Dave Gowans, Jeff Hansen, Mike Lehr, Dave Merrell, Brian Schwager, John Sherrard, Chad Boewe, Todd Greener, Rob Hastings, John Lukowski, Brian Miller, Tim Watson, Barry Weisman. Participants were: Mike Kridner, Chad McQuillen, Linn Oelker, Eric Steinbach.

1989-90 Rifle Team



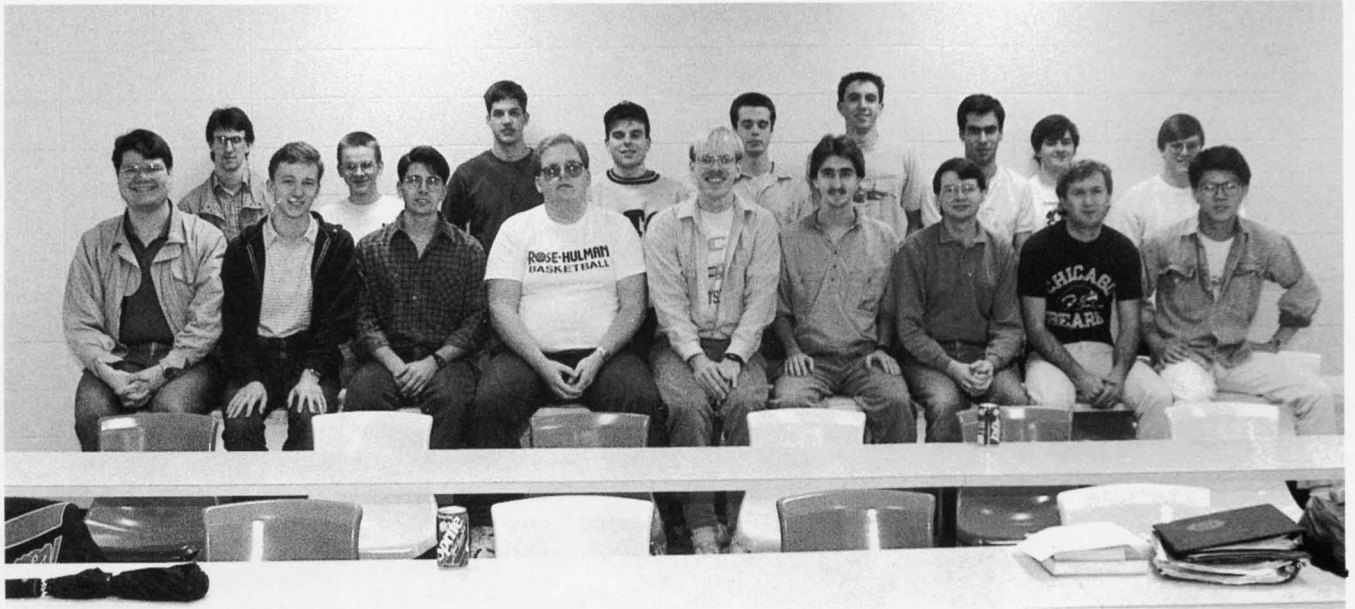
Members of the Rose-Hulman Institute of Technology Rifle Team for the 1989-90 academic year included (front row, left to right) Michael Kim, Tom Giron, Anthony New, David Huey, and Dan Hector. In the back row are Coach Kenny Hitt, Eric Wandel, Rose-Hulman Athletic Director Scott Duncan, Richard Munoz, Brian Walling, Howard Moore, Patrick Zaharako, and Coach Paul Gulleltt. The team won the Midwest Rifle Conference's regular season title and post-season championship tournament.





Clubs & Organizations

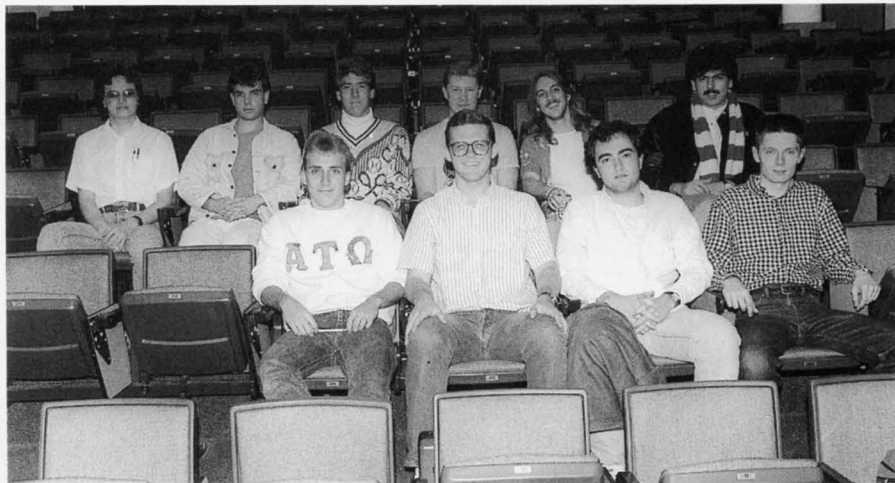
Honorary Societies



Pi Mu Epsilon

Back: (Left to Right) Mike Wilson, Alan Newman, David Fabritius, Erik Lindstrom, John O'Bryan, Craig Westmoreland, Joel Atkins, Mark Hamann, John Roman. Front: P. J. Hinton, Bob Burger, Jeff Dierckmann, Phil Banet, Troy Thomas, Kevin O'Bryant, Brad Bowman, Rob Muenzenberger, Calvin Lui.

Pi Mu Epsilon is an honorary mathematics fraternity whose purpose is to promote scholarly activity in mathematics among students. Undergraduate members are selected from either those upperclassmen who have at least a 3.00 average in mathematics and are in the top third of their class, or sophomore mathematics majors who have completed at least five quarters of mathematics with a straight 4.0 record in the mathematics courses. Activities include sponsoring a mathematics paper contest in the spring and a series of guest lectures in mathematics presented by professors from nearby universities.



Pi Tau Sigma

Back: (Right to Left) Michael Fagg, Thomas Adams, Mike Hoffa, Michael Wherry, Bob Clear, Lorne Meade. Front: Jeff Burns, Duane Long, David Ridders, Marc Morris.

Pi Tau Sigma, national honorary mechanical engineering society, brings together those men who through academic and practical achievements show marked ability and real interest in the study and profession of mechanical engineering. Outstanding men are selected in the fall and spring terms from the highest one-third of the junior and senior classes. At regular intervals they meet to promote activities which stimulate interest in their department, to further the ideals of the engineering profession, and to develop in themselves and in fellow students the attributes of responsible citizens.

Tau Beta Pi

The Tau Beta Pi Association, a national engineering honor society, was founded in 1885 to offer appropriate recognition for superior scholarship and exemplary character to technical students and professional persons.

Students in the upper eighth of the junior class and the upper fifth of the senior class and with an accumulative ratio of 3.10 or better are eligible. The honor conferred by election to membership is significant because of the Association's high eligibility standards, because the reward comes from the students, and because of the worldwide reputation of the society.

Tau Beta Pi is an honor society but it does engage in activities to further its objectives; such as stimulation of faculty-student communication and faculty course ratings. Each year the organization awards one professor the Tau Beta Pi Outstanding Professor Award.



Left to Right: Dr. Lobo, Carl Cole, Jeff Darnell, Steven Taylor, Mrak Melton, Joe Yenger, David Maxwell, Trevor Moeller, Mark Schuld, Bret Fathauer, Doug Weiser, Brad Stone, David Wilson, Chris Evarts, Allen Hall, Doug Tougaw, Mark Skarpness, John Schmall, John Buetow.

Upsilon Pi Epsilon

It is the express purpose of Upsilon Pi Epsilon to promote Computer Science and to encourage its contribution to the enhancement of knowledge.

Undergraduate students must meet the following criteria to be eligible to be elected into membership: a. Completion of at least 96 quarter hours of college work, including 27 quarter hours in the basic computer science courses and b. maintenance of at least a 3.0 GPA on a 4.0 scale.

The Indiana Chapter of Upsilon Pi Epsilon was chartered at Rose-Hulman on April 3, 1986. It was the first chapter chartered in the state of Indiana.



Back: (Left to Right) Dr. Anderson, Rick Stroud. 2nd: Bob Burger, John Allen, David Fabritius. 3rd: Tony Zamora, John Roman, Troy Thomas. Front: Jeff Hansen, Keith Struss, Steve Keller.

Honorary and Professional Societies



Alpha Chi Sigma

Alpha Chi Sigma is a professional fraternity in chemistry. Membership is by invitation and is open to anyone who intends to make his life's work some profession in which chemistry predominates. A main objective of the chapter at Rose-Hulman will be to aid its members in the development of their careers in chemistry. The Rose-Hulman chapter was active from 1909 to 1938 and reactivated in 1984.

Back: (Left to Right) Phillip Poor, Darrell Marsh, Gerald Naliborski, Roger Norris, Bob Jacobs, Bill Hendricks, Brian Anderson, Ross Mountcastle, Randy Bridgeman, David Keown, Scott Strayer, Chris Mobley, Rob Harmon, Dr. Caskey. Second: Brian Cooper, Mark Schulz, Steven Childress, , Lonnie Moon, , Dan Braker. Front: Jody Snodgrass, Fred Queary, Brian Hall, Steven Wilhelmy, Steve Susten, Ravi Puttaiah.



American Institute of Chemical Engineers.

All students in the chemical engineering curriculum are eligible for membership in the Rose-Hulman chapter of the A.I.Ch.E. As with other professional societies, the chapter seeks to familiarize the student with the responsibilities and situations encountered in his role as an engineer. This aim is accomplished through such activities as talks by persons prominent in the chemical engineering field, plant inspection trips, and student talks. Membership also leads the way to permanent affiliation with the national organization upon graduation. For chemical engineers, participation in the A.I.Ch.E. affords a chance to gain insights into their future careers.

American Society of Civil Engineers

The American Society of Civil Engineers offers to all students in the civil engineering curriculum an opportunity to broaden themselves in their future profession. It enables the student to meet with practicing civil engineers and to learn from their experiences.

The A.S.C.E. sponsors field trips, contests, guest speakers and movies of current civil engineering projects, in order to relate the theory of the classroom to the practicality of the real world. Membership in the A.S.C.E. is a big step toward becoming a professional civil engineer.

Back: (Left to Right) Eric Glover, Tim Geswein, Steve Pryor, Mike Eubank, Doug Collier, Tim Conarro, David Cleveland, Jason Yeager, Joe Burkhardt, David Maxwell, Tom Carrow, Dr. Lobo (advisor). Front: (Kneeling) Rich Wilhelm, Brian Kockersperger, Rodger Fortune, Kevin Knoepfel.

American Society of Mechanical Engineers

A student branch of the A.S.M.E. has been established on the Rose-Hulman campus. All students in the mechanical engineering sequence are eligible for membership and, after entering, will receive a subscription to 'Mechanical Engineering': The "Great Mousetrap Race" an annual event.

Upon graduation the student member becomes eligible for regular membership in this professional society.

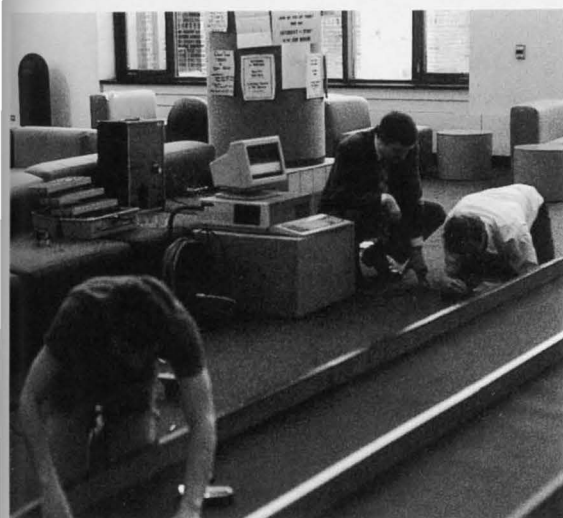
The purpose of the student chapter of the A.S.M.E. is to give students an opportunity to exchange ideas and be exposed to professional mechanical engineering. Activities include the regular meetings and the annual spring outing. Also, the Rose-Hulman chapter is host each year to a meeting of the Central Indiana Section of the A.S.M.E.

Association for Computing Machinery

The Association for Computing Machinery, Inc., is the largest professional society for data processing specialists with members from the U.S. and many foreign countries.

Student organized and managed, the chapter activities are designed to further the members' knowledge of data processing through local, regional, and national conferences, field trips to computer installations, nationally recognized guest lecturers, and special projects in cooperation with the Institute's computing center.

Membership in the Rose-Hulman chapter of the ACM is open to all students at Rose-Hulman, ISU, St. Mary's, any high school in Vigo County, and any data processing professional in Vigo County. The only other requirement for chapter membership is an avowed interest in computers and computer languages. ACM national membership is not required but is encouraged.

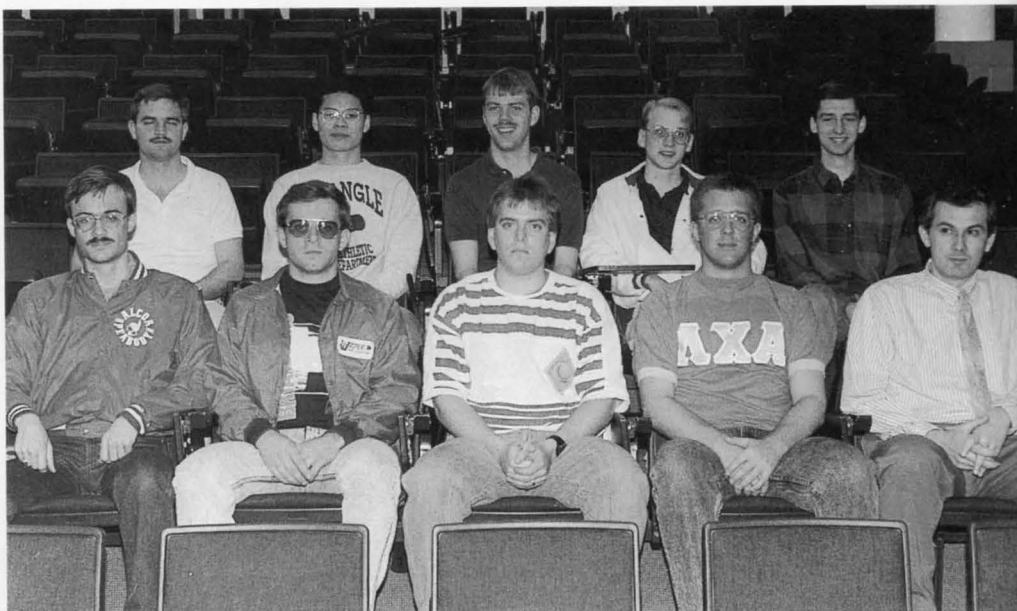


Back: (Left to Right) Mark Skarpness, Bret Bowman, Dr. Anderson, Michael Allard, Ron Perrella, Tom McCormick, Tony Zamora, Mike McGonagle, David Fabritius, Stephan Smally, Scott Plimpton. Front: Keith Struss, Troy Thomas, Bob Burger, Lin Sharpe, Steven Reid. Not Pictured: Wilfred Wong (who took the picture).

Honorary Societies

Institute of Electrical and Electronic Engineers

Membership in the Rose-Hulman branch of the I.E.E.E. is open to sophomore, junior and senior electrical engineering students, as well as students in other areas with an interest in electrical engineering. The purpose of the I.E.E.E. is the advancement of the theory and practice of electrical engineering, electronics, and allied fields of science and engineering. In pursuit of this stated objective, the local branch presents a well balanced program, consisting of demonstrations and lectures by prominent men in industry and from other institutions, field trips and plant inspections, student seminars and student paper contests, and a chapter research project. Members receive the 'I.E.E.E. Student Journal' which is published quarterly, and



Back: (Left to Right) Gary Smith, Jason Ssutu, Mark Skarpnes, John Schmall, Allen Hall. Front: Joe Forler, Russell Sermersheim, Jim Elliot, Steve VanZale, Dr. Lebaric.

may subscribe to more advanced publications of the organization. Upon graduation, a student may obtain full membership without payment of the regular initiation fee.

Physics Club

The Physics Club seeks to supplement classroom instruction and research and to serve as a vehicle of communication between physics students and the faculty. To serve the first of these ends the club sponsors three seminar series, organizes field trips, shows films, and publishes a journal annually. The journal consists of articles by the physics students. The articles may be on any topic of physics or related mathematics. They may be library research or experimental research. The meetings are usually of the seminar type designed to enlighten the members on practical as well as theoretical physics. The discussions are led by guest speakers, faculty members, or student speakers. All students are invited to attend any or all of the seminar meetings. In seeking to establish a more informal relationship with the faculty, the club



Back: (Left to Right) Gregory Stylewicz, Don Greiveldinger, , Dr. Western. Front: Christopher Jackson, Dan Storch, Tom Giron, Steve Allison.

sponsors weekly lunches with the faculty, occasional get-togethers at faculty members' homes, and an annual picnic. Membership is extended to any students interested in any area of physics.

Publications

Modulus

The **Modulus** is the college annual yearbook. A student publication, the **Modulus** captures, in pictorial form, a summary of student activities throughout the school year. Membership on the staff of the **Modulus** is open to all students and students are encouraged to participate in advertising, writing, circulation, photography or layout and design.



Back: (Left to Right) Jeff Lanter, Eric Kamm, Joe Forler, Scott Webb, Kevin Cahill, Wilfred Wong. Front: Tom Bogle, Matt Morris



Quarterly

Left to Right: Scott Webb, Michael Keeney, Mike Poisel, Adam Griner, Biff Maynard, Susan Smith.

Another student publication, the **Quarterly** is the journal for creative writing which is published each quarter of the academic year. Students are encouraged to participate in this publication by submitting poems, short stories, narratives, etc., or by becoming involved in staff work.

Special Interest Groups

Astronomy Club

Activities of the Rose-Hulman Astronomical Society include visual and photographic observations utilizing three fine instruments available to all members. An eight inch telescope is housed in the observatory and is an excellent instrument for planetary and lunar observations. The 10 inch and 12 ½ inch Newtonian reflectors are housed in the Lynn Reeder Laboratory and are more suitable for star clusters and nebulae. With this selection of instruments the organization has provided the versatility necessary to cover a wide range of astronomical interests. The society's function is to make constructive use of the facilities and to promote interest in astronomy and related sciences at Rose-Hulman.



Bowling Club

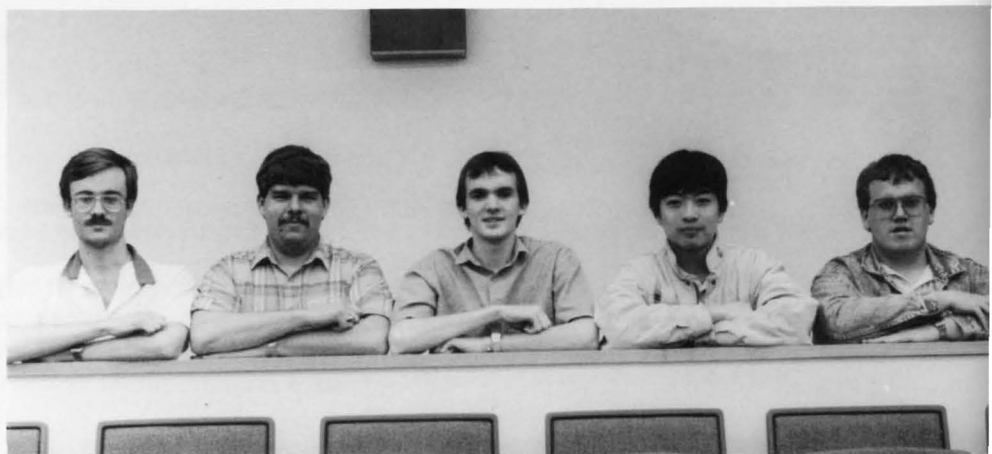
The Bowling Club is a new club to the Rose-Hulman campus that participates against other national schools.



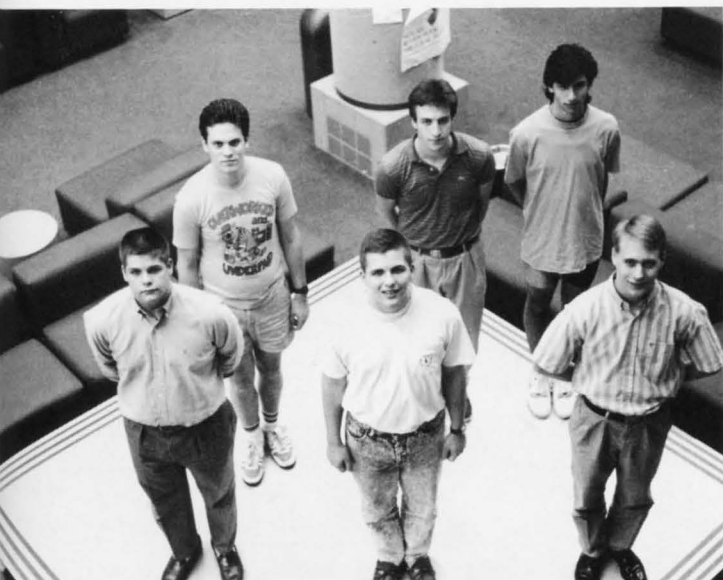
Back: (Left to Right) Phil Banet, Rob Harmon. Front: Eric Geib, Gerard Madlambayan, Scott Myers, Rob Williams. Absent: Clint Filipowicz, Mike Hill, Matt Adams, Dennis Quimby, Kurt Parker.

Camera Club

The Rose-Hulman Camera club provides a well equipped darkroom for use by those interested in photography. Camera Club activities range from basic instruction in photography to the sponsoring of photography contests. Membership is open to all students who have an interest in photography.



Joe Forler, Matt Morris, Brian Dougherty, Wilfred Wong, John Stephens.



Back: (Left to Right) Mike Walburg, Jeff Skiver, Martin Moss, Jason Karlen, Jon Karlen, Gary Solbreken.

Chess Club

The Club is an organization whose purpose is to provide informal organized competition for those who are interested in playing chess. The Club allows students and faculty a chance to compete against the Institute's best players and to compete in School Tournaments and Championships. The Club publishes a short newsletter giving upcoming events and annotated games of the members. The Rose-Hulman Chess Team is the traveling representative organization of Rose-Hulman Institute of Technology. It is a group of six or more students that travel to state, interstate, regional and national team events. Team competition gives the students a great opportunity for improvement.



Back: (Left to Right) Joe Forler, Paul Carter, Rob Hoskins, Russell Sermersheim, John Huss, Kevin Grabowski, Gary Solbreken, Adam Kluemper, Steve Blair, Eric Geib, Stephen Frost. Front: Keith Struss, Eric Forster.

Circle K

Circle-K is a service organization emphasizing service to the community and school. It is sponsored by Kiwanis International which helps bridge the gap between Rose students and the business society. Circle-K promotes leadership and social development, and instills ideals of good citizenship and professional principles. If you were in Key Club in high school and would like to remain a member of the 'K' family, or you are just interested and willing to get involved, then, check us out!



Steve Taylor, Kevin Gilbert, Dan Boxeth, Dave Ridders, Brian Taylor, Amit Bhatiani, Robert McCauley.

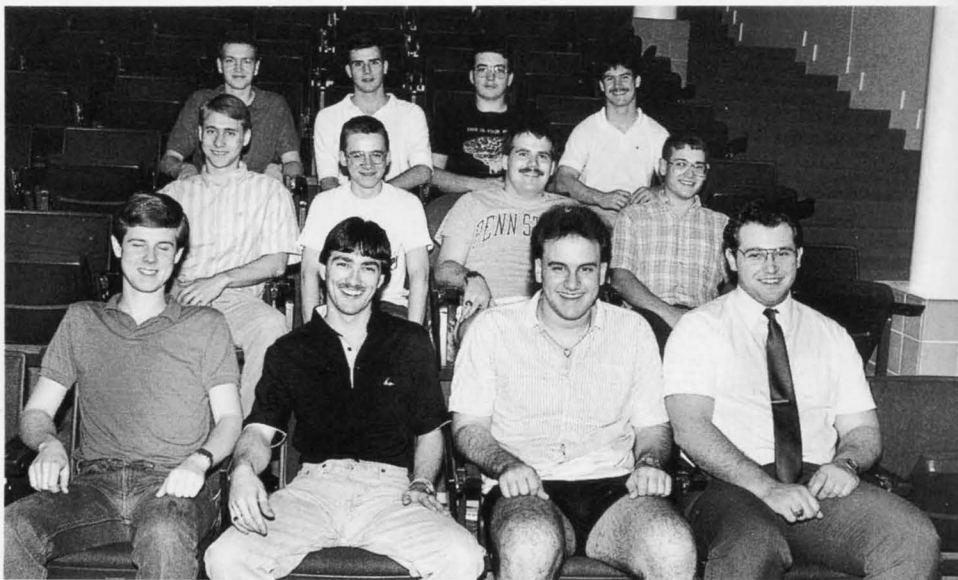
Debate Team

Special Interest Groups

Drama Club



Flying Club



Back: (Left to Right) Chris Kaus, Bruce Artman, Jon Lawrence, Ethan Warner.
Middle: Gary Solbreken, Alan Newman, Bruce Swanson, Bryan Shoultz.
Front: Jason Williford, Rob Williams, Eric Geib, Todd DeVore.

German Club

The German Club is open to all Rose-Hulman students, not just those taking German. There are monthly meetings, each one having some kind of program. Speakers from German-speaking countries are invited to discuss topics such as German-U.S. relations, the European community and economic issues. The German Club has at its disposal quite a few modern German movies, slides, tapes, records, etc. and attends museum exhibits when in the surrounding area. Highlights are the German Christmas party held at Prof. Lehr's house, a Fashing-Costume party held together with St. Mary-of-the-Woods and an end of the year picnic. When there are "cooks" among the members, an authentic German meal, not just potato salad and Bratwurst, is prepared.



Back: (Left to Right) Robert Lind, Kent Neier, Chad Elmore, Mark Craig. Center: J. R. Shrader. Front: Rob Muenzenberger, Dr. Joyce Adams.

Goju-Karate

The Goju-ryu Karate Club exists to advance the knowledge of the art of Goju-ryu Krate. The Club provides a break from the routines of normal academic endeavors, instills discipline in the individual student, and provides participants with a chance to develop physically and to gain self-confidence.



Back: (Left to Right) Carl George, Mike McGonagle, Rick Stroud, Aung Than. Front: Mark Brehob, Brian Cooper, Eric Forster, John Holtz.

Special Interest Groups

Gun Club

The purpose of the Gun Club is to promote firearm safety and knowledge to fellow Rose-Hulman students, and organize recreational marksmanship.



Back: (Left to Right) Jon Hart, Jonathan Lawrence, Greg Haynes, Daniel Hector, Brian Walling, Captain Gullett, Todd DeVore. Front: Wilfred Wong, Unidentified, Eric Wandel, Dan Jambor, Tom Giron.

Rose Christian Fellowship

Rose Christian Fellowship is a group primarily concerned with communicating the gospel of Jesus Christ to the campus. Members meet weekly in small groups to share and discuss problems and for Bible study. The entire chapter meets twice a month for a time of fellowship and chapter growth. RCF is an arm of Inter-Varsity Christian Fellowship, a national organization concerned with college age people, and participates in Inter-Varsity activities such as conference and training sessions.



Back: (Left to Right) Charles Curry, Chuck Pearson, Dennis Moore, Dave Miller, Dan Vettors, Les Yerger. Second: Jeff Lanter, Joe Binford, Ken Schmidt, Trevis Litherland, Troy Thomas, Mike Gowin, Brent Berner, Mark Stremmer, Ken Whitehead, Dale Stevenson, Jeff Little, Robert Ladson, Steve Smalley. Third: Mike Kerrick, Jeff Burns, Ricky Watson, Ben Hill, Julie Ward, Helen Jalocha. Fourth: Paul Bertsch (staff), Bryan Drummond, Dave Fischer, Lisa Broxon, Cindy Mitroff, Marc Spinuzzi, Tom Bogle, Kevin Steele, Amy, Michael Brier. Fifth: Gray Robbins, Jenny Lowe, Cozy Boyd, Staci Prim, Jay Overbeck, Clark Rodeffer. Front: Rich Campbell.



Dr. Black, Randy Spicher, Jeff Woods, Kale Irish, Harold Cowan.

Rose Tech Radio

The Radio Club is open to all who are interested in the technical aspects of radio, especially those who are interested in amateur radio. Facilities include a 1,000 watt single-sideband transmitter capable of reaching around the world, a complete radio-teletype installation, a 6 meter sideband transceiver and tools, equipment and work space for individual projects. Members of the Radio Club have opportunities to participate in field trips, amateur radio operation, MARS net operation, fall and spring picnics, and hidden transmitter hunts. Technical lectures relating to amateur radio station improvement, Morse code, theory classes for obtaining an amateur radio license and monthly meetings are also an integral part of the club's program.

Special Interest Groups

Saint Joseph's Campus Center

St. Joseph Campus Center is an extension of St. Joseph University Parish. The Center serves students from both the Rose-Hulman Institute of Technology and Indiana State University campuses. All programs offered at the Center are open to students, faculty, and staff of Rose-Hulman.



Back: (Left to Right) Ted Jung, Lee Bridges, Mrs. Braker, Br. Tim Unser. Front: Dave Stoeckel, Stephanie Minsch, Dan Braker.

Student Activity Board

A branch of the Student Government Association, the S.A.B. is a vital part of Student Affairs in that this group is responsible for planning, coordinating, and implementing a wide variety of events and activities of interest to all students of the Institute. Convocations, 'coffee-house' performances, dances, and special events are within the domain of this important and representative group. Any interested student may become a member of Student Activities Board by attending meetings and making his interest known.



Back: (Left to Right) D. White, H. Fischer, S. Brankle, A. Wenig, R. Harper, K. Neier, D. Walker. Middle: P. Banet, D. Williams, B. Haney, T. Henke, K. Zaylskie, M. Carnahan. Front: S. Smalley, C. Marimon, J. Hanson, D. Gustafson.

Weightlifting Club

The Weight Lifting Club exists to promote weight lifting at Rose. The club sponsors weight lifting events, arranges the weight room, and makes suggestions to improve that facility.



WMHD-FM 90.5

The men of WMHD-FM are completely responsible for the continuous operation of the Rose-Hulman radio station. It broadcasts 150 Watts (erp) at 90.5 MHz and the facilities are located in the basement of BSB Hall. Numerous opportunities are available for the energetic students: Studio recording, live recording/PA, production of recorded programs, software construction and maintenance, studio construction and maintenance, all facets of news/sports/current events reporting, not to mention being a disk jockey and playing the best music in Terre Haute. There is room enough here for all interested students.

Student Leadership

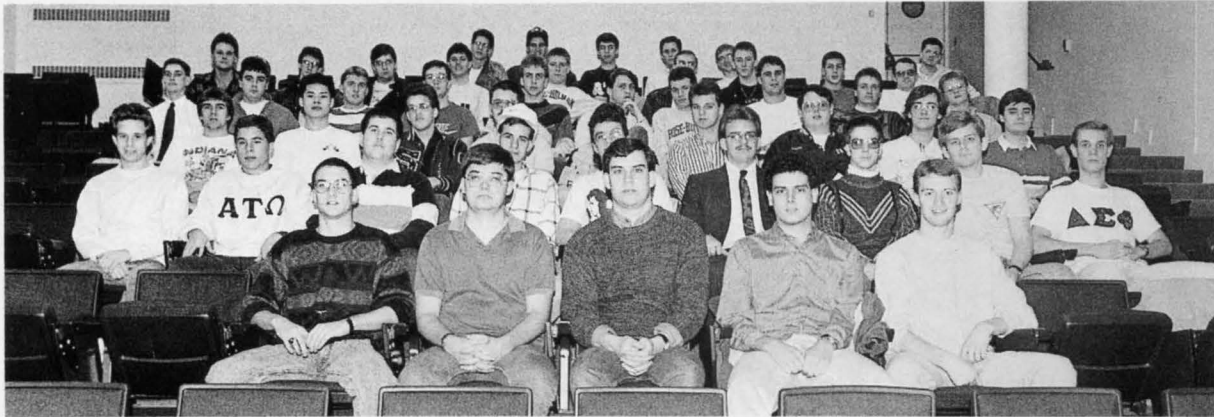
Residence Hall Association

The residents of each residence hall are eligible for membership in their respective Residence Hall Councils, organizations for promoting the social and recreational life of its members. The Council also provides a student government for the residence halls.

The Residence Hall Association coordinates the activities of the residence halls. This Association has representation from each hall. RHA urges all students to take an active role in their organization and to support it by bringing your ideas and thoughts to the regular meetings. Times for these meetings are posted in Hulman Union.



Student Government Association



The Student Government Association, under the leadership of the President of the Student Body, exercises general control over clubs and organizations receiving S.G.A. funds. The Congress is composed of elected representatives from the various living units. The Student Court, together with the Congress and the Executive Branch, furnishes a complete Student Government.

The constitution and by-laws of the Student Government are on file in the Library and the Student Government Office. Copies may be borrowed from the Library for study.

Back: (Left to Right) Jason Sorei, Todd Mehninger, David Troike, John Schwarzmann, Ray Urbanic, . Second: Eric Glover, Mike Wilson, C. James Johnson, Fred Queary, Jay Ahrens, Bill Schomer, , Steve Varga, Jeff Pahl. Third: Chadd Taylor, Eric Tucker, Mike Keeney, Bill Mills, , C. J. Gillman, , Scott Kirkpatrick, Chad Powers, Jeff Maynen. Fourth: , Jason Ssutu, Tom Dorsch, Kent Neier, Jeff Hanson, Paul Hajdu, Mike McGonagle, Scot Sprehn, and John Minor. Fifth: Bobby Woolf, Todd Fox, Tom Carrow, Jody Snodgrass, Pete Hiney, Brian Findley, Russ Luzetski, , Jim Ockers. Front: Brian Kochersperger, Tim Geswein, Scott Simmonds, Bobby Getts, Adam Griner.

Rose Musicians



Brass Quartet



Jazz Band

Back: (Left to Right) Brian Barrett, Dave Whitworth, Jeff Windau, Greg Hall, Rusty Adams, Scott Peckinpugh. Second: Royce Wilkinson, Bill Schomer, Heath Scheimann, Jeff Sevell, Paul DeStefano, Jim Wuerch, Gregory Hevron. Front: Chuck Eads, Dennis Moore, Erik Oldekop, Mark Throop.

Rose Musicians

Men's Chorus

Back: (Left to Right) Paul DeStefano, Steve Kottman, Mike Fagg, Jeff Sewell, Doug Tougaw, Deb Goecker (director). Front: Terry Nebergall, Bob Burger.



Mixed Chorus

Back: (Left to Right) Dave Brombaugh, Jacki Stegner, Michael Brier, Kurt Ness. Second: Deb Goecker, Deborah Allen, Jeff Sewell, Paul DeStefano, Lance Reger, Gary Burdette. Front: Cristina Harden, Mike Fagg, Benita Tschudry, Tish Biggs.



Pep Band

Back: (Left to Right) Dave Whitworth, Chaka Hannah, Jim Baize. Second: Jeff Windau, Rusty Adams, Mike VanGilder, Greg Komp. Third: Craig Buchek, Bill Hartwell, Bryan Drummond, Mike Haskins, Heath Scheimann, Brian Warnock, Shane Pickett. Front: Rob Muenzenberger, Jason Livermoore, Deb Goecker, Scott Peckenpough, Bill Schomer.

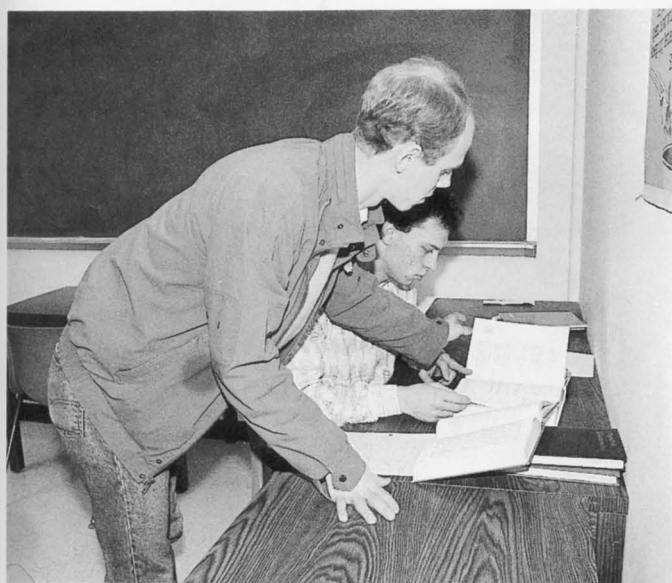


Learning Center

The Learning Center provides free assistance to students in writing, chemistry, math, and physics. Tutors are available to answer questions about homework problems or by appointment for study review. There is a resource library and information for writing a resume available.

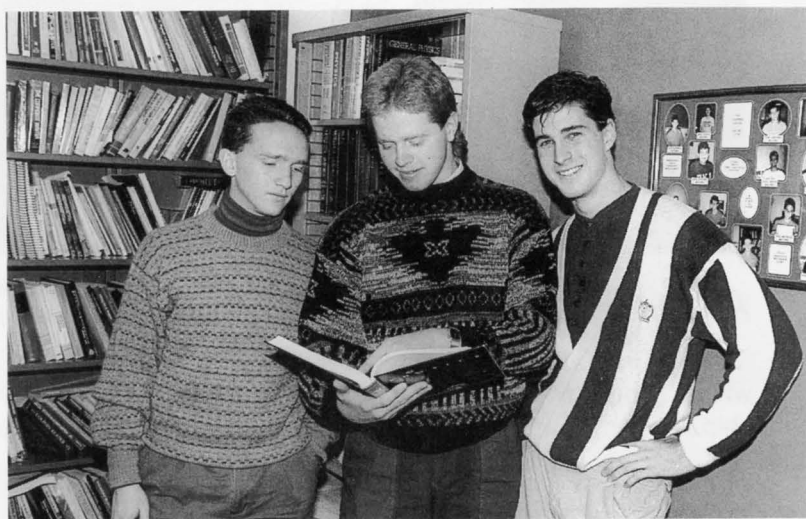


Back: (Left to Right) Scott Webb, John Buetow, Brian Knox, Stephen Johnston, Scott Weigand, Ed Lucas, Michael Liemohn, David Kooyman. Front: David Akaka, Todd Logan, Susan Smith, Phil Banet, Craig Stucky.



Todd Logan, Stephen Johnston, and Brian Knox take advantage of the reference library of the Learning Center.

Scott Weigand and Michael Liemohn discuss a problem.

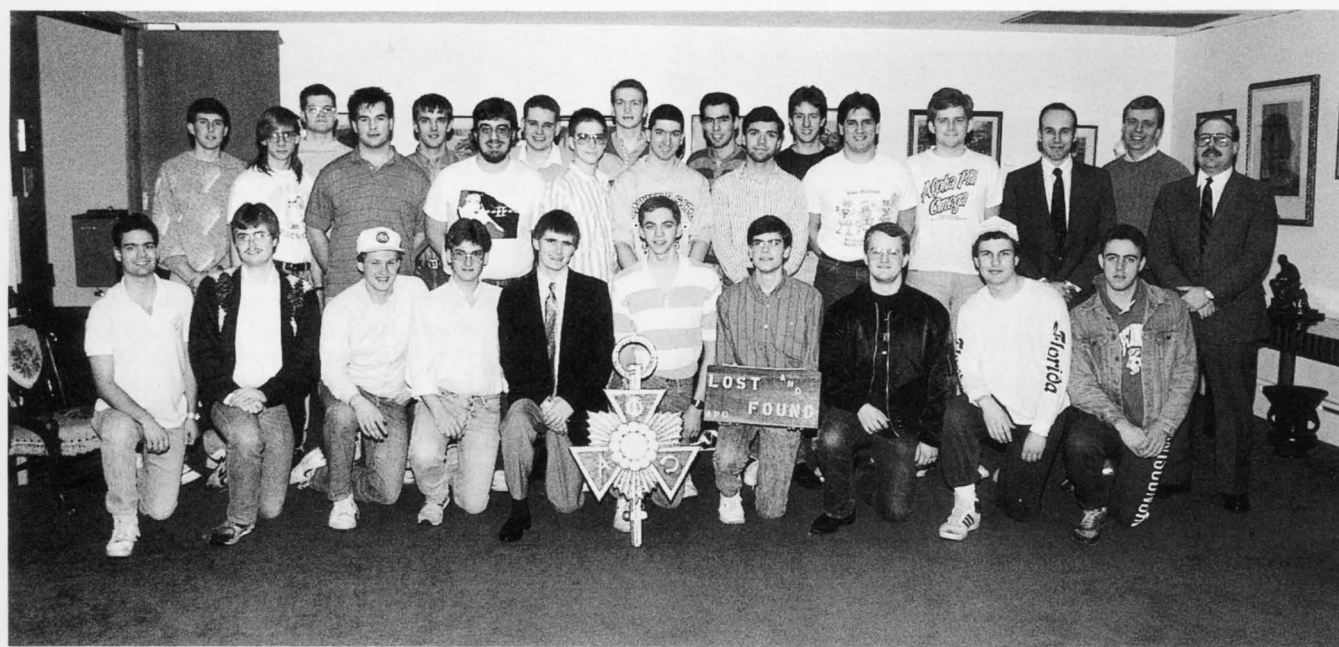


Honorary and Service Societies



Alpha Lambda Delta

Rose-Hulman's chapter of Alpha Lambda Delta, a national society that honors academic excellence during a student's freshman year in college, was formed in 1988. Freshmen who are in the top fifth of their class and have a G.P.A. of at least 3.5 are invited to join either during the Spring Quarter of their freshman year or during the Fall Quarter of their sophomore year. Once initiated, the student becomes a lifetime member of Alpha Lambda Delta.

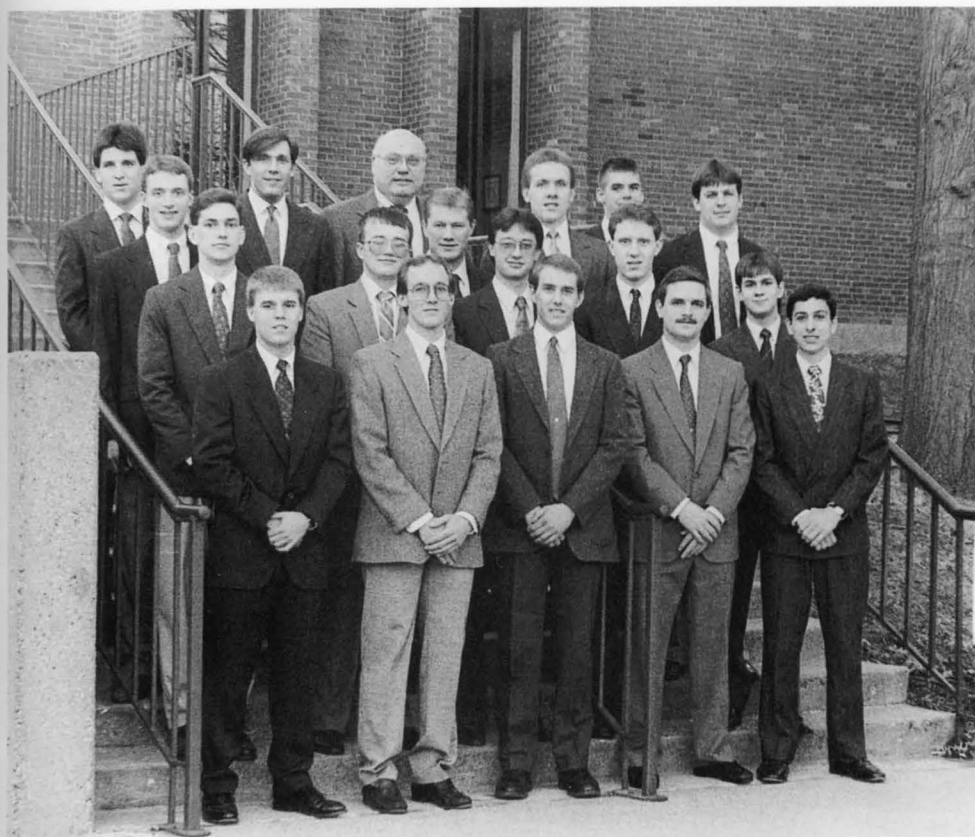


Alpha Phi Omega

The Lambda Chapter of Alpha Phi Omega was chartered at Rose-Hulman in 1966. This is a service fraternity whose program is directed toward serving the Rose-Hulman community and its surrounding areas. Membership is open to any student showing an interest in service to his fellow man.

Blue Key

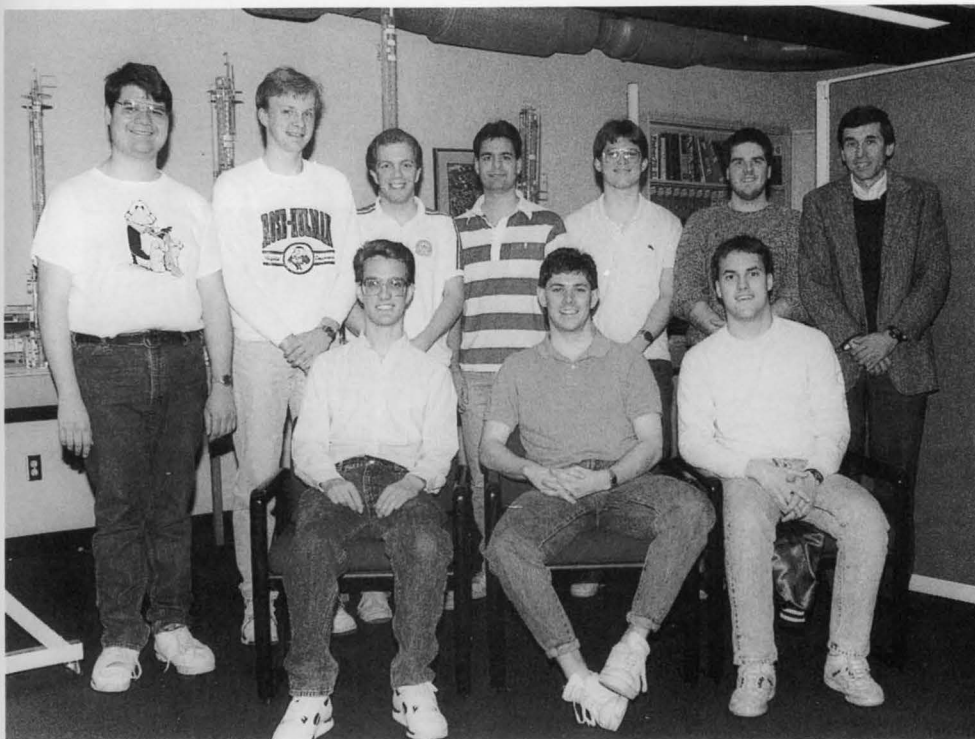
The Rose-Hulman chapter of the Blue Key National Honor Fraternity was installed in 1932. This is an honor fraternity that recognizes participation in extra-curricular activities as well as high scholarship. The motto of Blue Key is 'Serving, I live.' Therefore, the members of Blue Key are those who are recognized as leaders in college activities and scholarship, and are of good character. Eligibility is restricted to those in the junior and senior classes, and not more than 15% of any class may be selected.



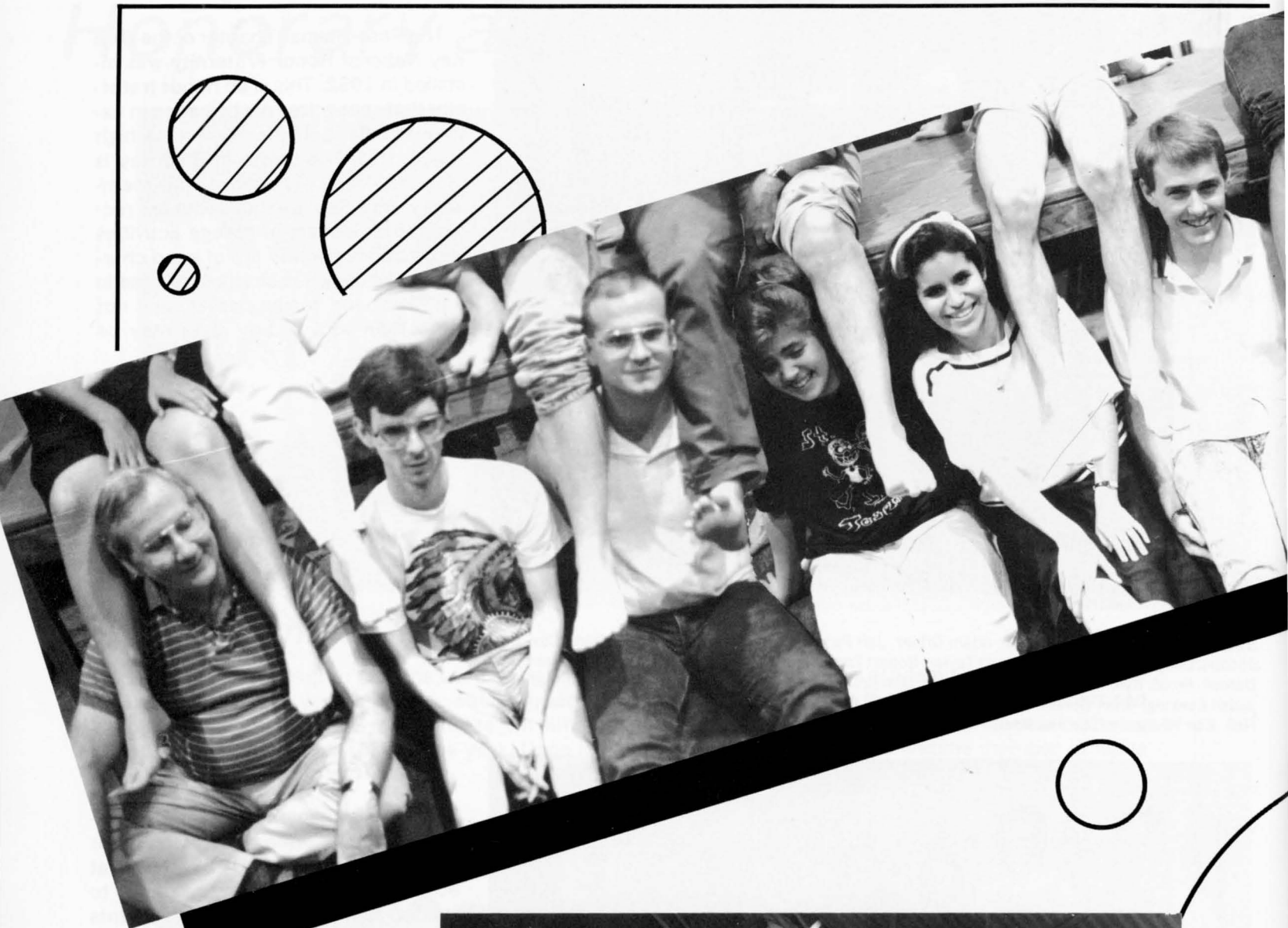
Back: (Left to Right) Geoff Payne, Adam Griner, Jeff Pickett, Ron Reeves (advisor), Shane Cox, Bob Jacobs, Doug Collier. Second: Chadd Taylor, Robert Zacher, Mike Hoffa, Corie Biggs, Jeff Morgan, Jeff Darnell. Front: Kyle Thompson, Rick Kocken, Dan Braker, Gary Smith, Frank Visingardi. Not Pictured: Jaosn Lueking, Brian Runkle, Brian Kockersberger, Fred Queary, Steve Childress, Brett Starr, Allen Hall, Ken Whitehead, Ed Huonder.

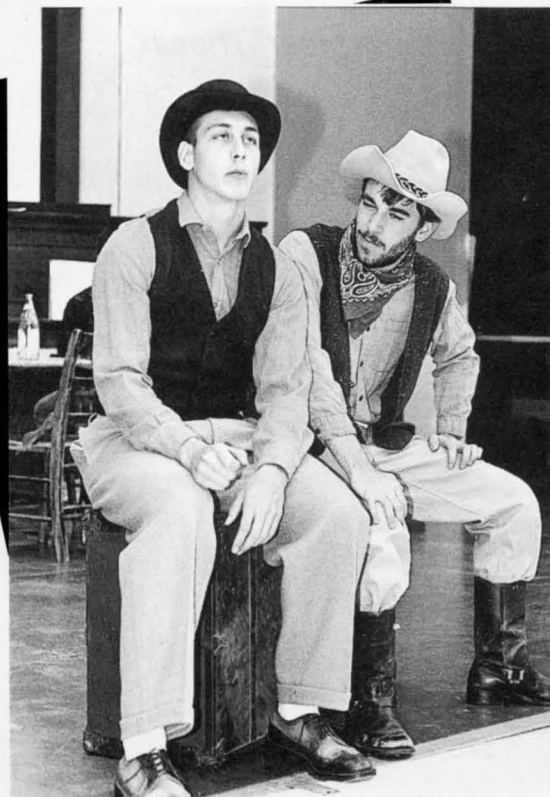
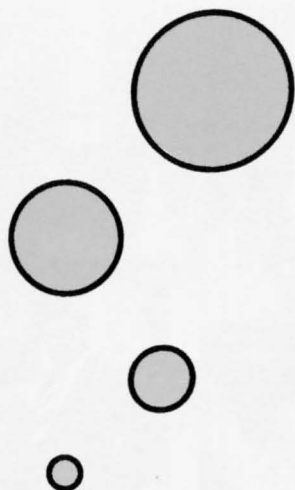
Omega Chi Epsilon

In 1969, a chapter of Omega Chi Epsilon, a national honorary fraternity for chemical engineers, was chartered at Rose-Hulman. The fraternity is open to juniors, seniors and graduate students who share outstanding ability in both scholarship and leadership.



Back: (Left to Right) P. J. Hinton, Chris Lueking, Howie Fischer, Joe Yenger, Gerald Naliborski, Steve Childress, Stuart Leipziger. Front: (sitting) Todd Brown, Fred Queary, Paul Rakos.





Looking Back At The Eighties Do You Remember These?

1982



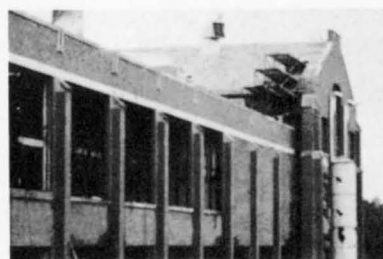
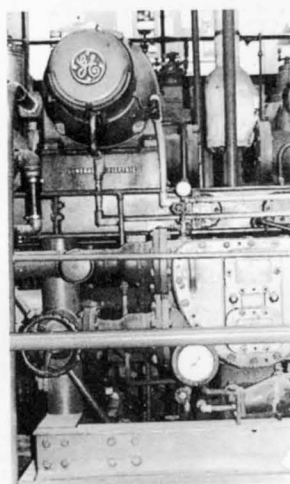
1980



1985



1987



Hi Kappa Alpha

ROSE-HULMAN COLONY

1986



1987

Rose-Hulman Institute of
Technology



1986



APATHY



pathy: the largest organization on campus. Nobody attends the meetings because they just don't care.



*That Was Then,
But This is Now . . .*

Moench Hall 1987/1988.



Michael Bell



Opus



Corie Biggs



Rose Guys, still crazy
after all these years
(1980, 1988).



Joseph M.
Bone



Daniel
Braker

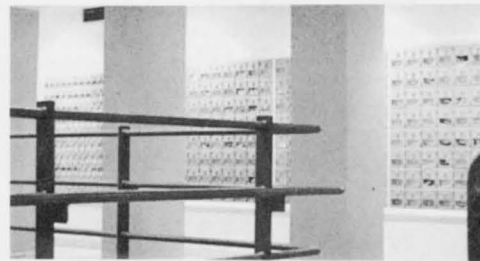


Randall
Bridgeman

WMHD, like many student
organizations, has grown
since 1984.



1988



Getting the mail is
much more pleasant
now than it was in
1983.



Left: PDP/
11 in 1980.
Right: Vax
today.



Getting drunk in 1980 vs.
1990.



1989



Greek Games 1989 *Alpha Tau Omega Wins*

ATΩ

According to our records, the 25th annual Greek Games was the first time in over a decade that Lambda Chi Alpha didn't take first place. Alpha Tau Omega won the Silver Anniversary Games by defeating Sigma Nu in the Tug-of-War gaining a second place finish in the event and first place overall.

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We Hung In There

for another year and Modulus 1990 was successfully completed.

The year we "raced into the nineties" was my fourth year with Modulus. I had the opportunity of being editor with the largest and most active staff Rose-Hulman's yearbook has had in this decade.

The book would not have been possible without the support of the campus and people outside the staff who help. I would like to thank Dale Long, Donna Burns, Admissions, and the Department Chairmen specifically. I would also like to thank Ahmed Syed who joined the group and helped with the book very late in the year.

As I have already mentioned, we had a remarkably good yearbook staff who worked hard and cooperated to improve the book and get it completed. We learned a lot and had fun while we were doing it.

Matt Morris headed up the photography department, with Wilfred Wong, Jeff Lanter, Joe Forler, and Ron White as photographers. They took twice as many pictures over the year than the previous year.

Joe and Wilfred also did a lot of creative work and experimenting to come up with our cover.

Eric Kamm was darkroom chief with Jeff Pahl, Wilfred and Matt to help.

Tom Bogle was the cornerstone of the copy department with his professional quality writing to tell the story behind the photography work.

The layout department consisted of Wilfred, Randy East, Kevin Cahill, Michael Keeney and myself. We also had many successes in our department as well.

Tim Crowell, past editor, also helped with the book early in the year.

Last but not least our advisor, Bryan Taylor, played his usual active part in the development of the book. He keeps the staff motivated, provides professional advice, and acts as the editor's conscience.

We hope you enjoy Modulus 1990 as much as we enjoyed making it.

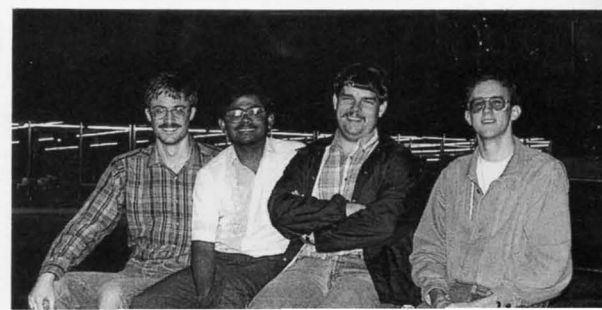
— Scott Webb, editor



Joe and Wilfred special effects experts.



Eric Kamm hiding out in Crapo so we won't send him back to the darkroom.



Here's adviser Bryan nervously inspecting our work.



Tom Bogle openly admits he is only in Modulus for the pizza parties.